Model AT-C1a/C1b (B230/B237)

PARTS CATALOG

First edition, April 2006

Ricoh Company, LTD.

Model AT-C1a/C1b (B230/B237)

PARTS CATALOG

This catalog gives the numbers and names of parts on this machine.

Model AT-C1a/C1b	(B230/B237)
ARDF DF3000	(B789)
Paper Feed Unit PB3000	(B800)
LCIT PB3010	(B801)
1Bin Tray BN3000	(B790)
Bridge Unit BU3000	(B227)

Model AT-C1a/C1b (B230/B237)

PARTS CATALOG

This catalog gives the numbers and names of parts on this machine.

Internal Shift Tray SH3000 (B791)
Finisher SR3010 (B792)
Booklet Finisher SR3000 (B793)
Punch Kit PU3000 (B807)
SR790 (B408)
Fax Option Type C3000 (B786/B787)
G3 Interface unit Type C3000

Model AT-C1a/C1b
(B230/B237)

Model AT-C1a/C1b (B230/B237)

PARTS CATALOG

This catalog gives the numbers and names of parts on this machine.

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Model AT-C1a/C1b (B230/B237)

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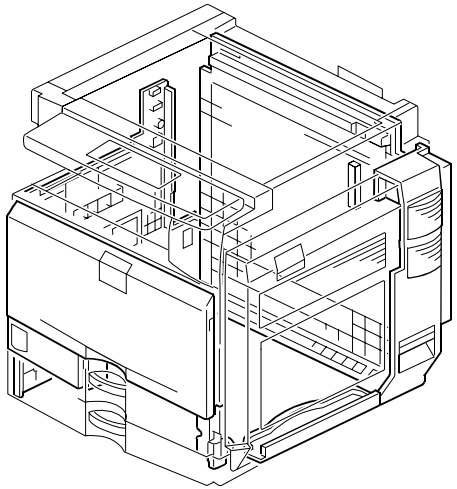
LOCATIONS OF UNITS

1. Exterior 1 (B230/B237)



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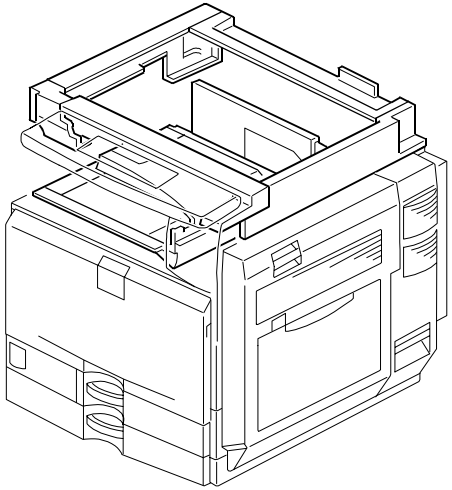
2. Exterior 2 (B230/B237)



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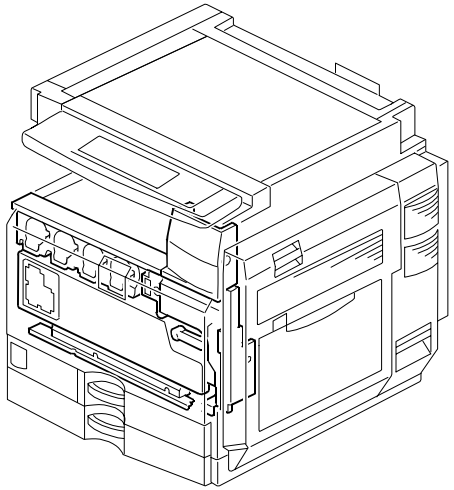
3. Exterior 3 (B230/B237)



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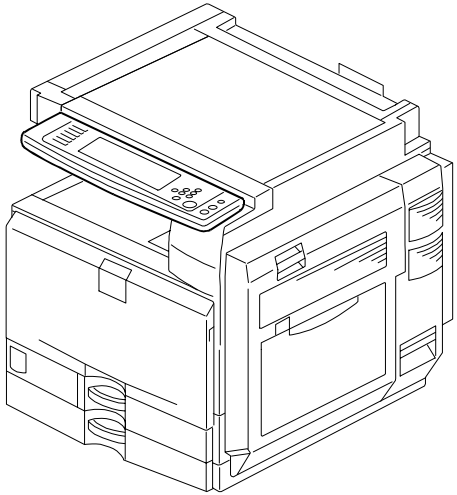
4. Operation Panel (B230/B237)



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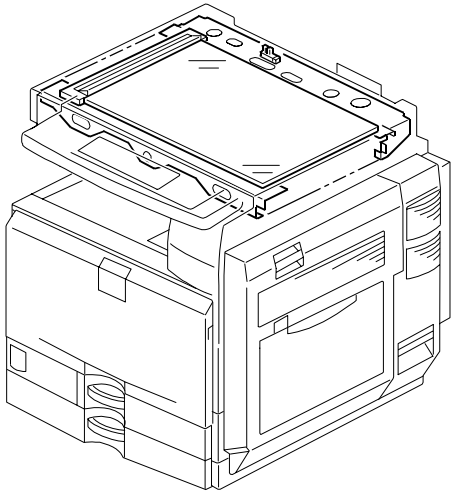
5. Scanner Section 1 (B230/B237)



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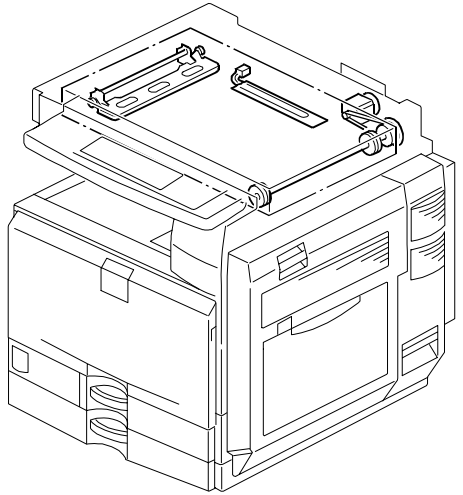
6. Scanner Section 2 (B230/B237)



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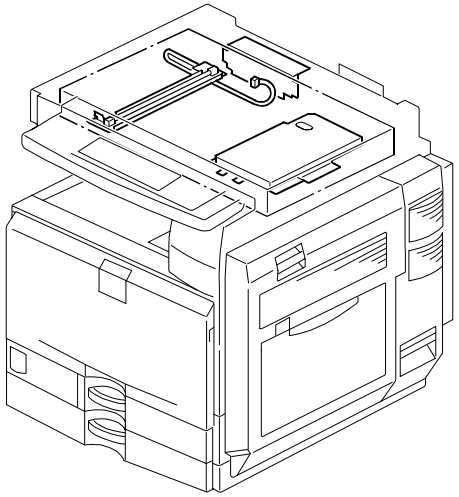
LOCATIONS OF UNITS

7. Scanner Section 3 (B230/B237)



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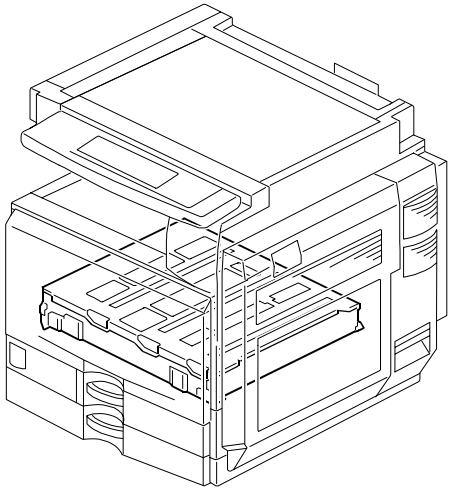
8. Laser Unit (B230/B237)



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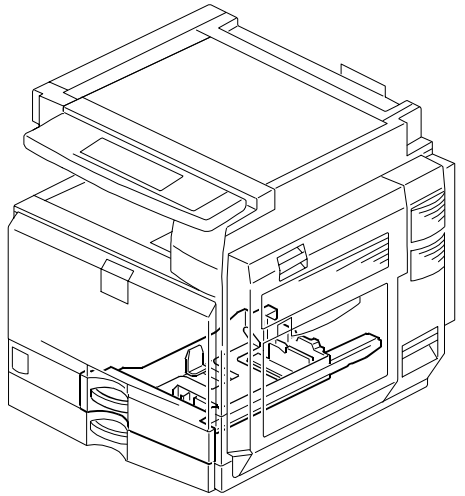
9. 1st Paper Tray (B230/B237)



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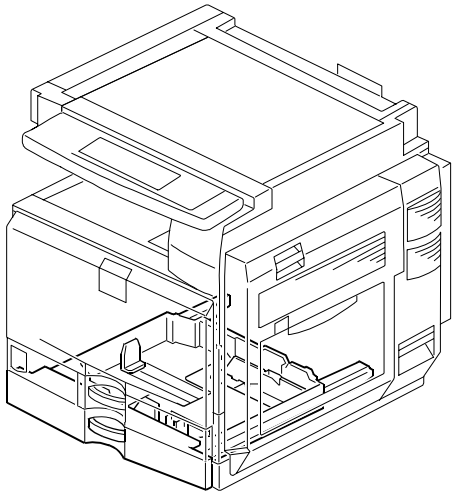
10. 2nd Paper Tray (B230/B237)



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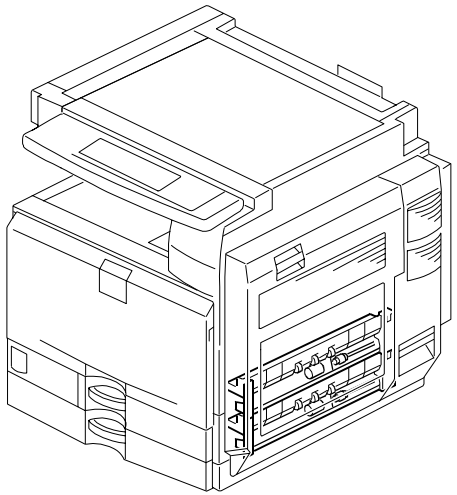
11. Paper Feed Section (B230/B237)



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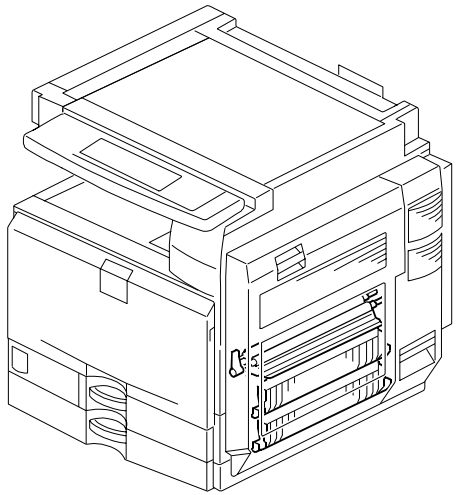
12. Paper Registration 1 (B230/B237)



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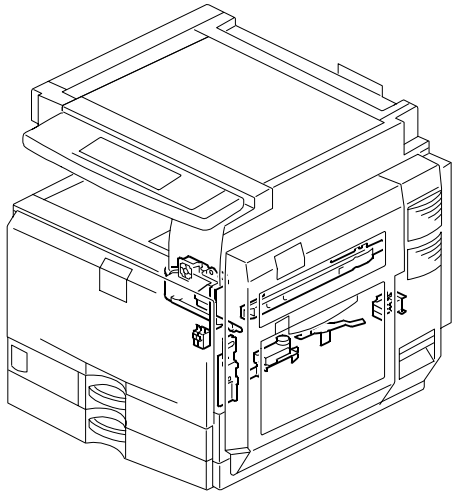
13. Paper Registration 2 (B230/B237)



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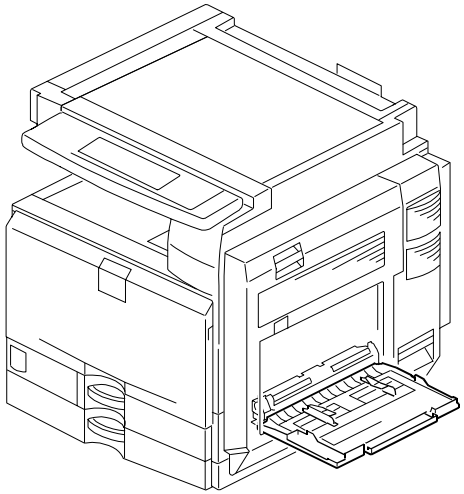
14. By-pass Feed Section 1 (B230/B237)



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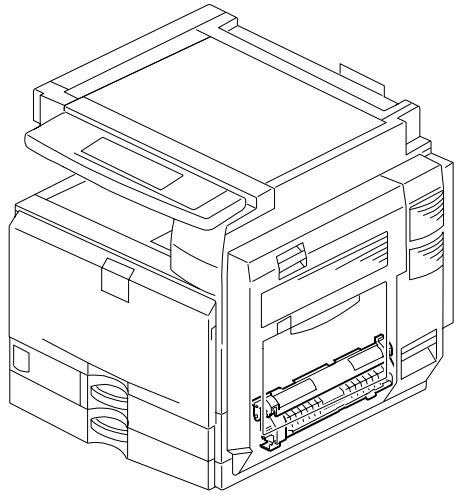
15. By-pass Feed Section 2 (B230/B237)



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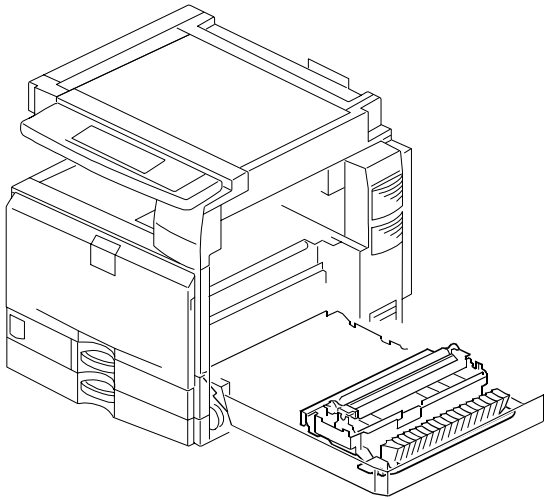
16. Paper Transfer Section (B230/B237)



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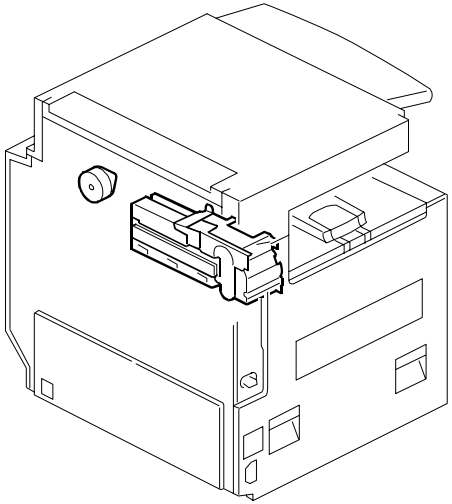
17. Toner Hopper 1 (B230/B237)



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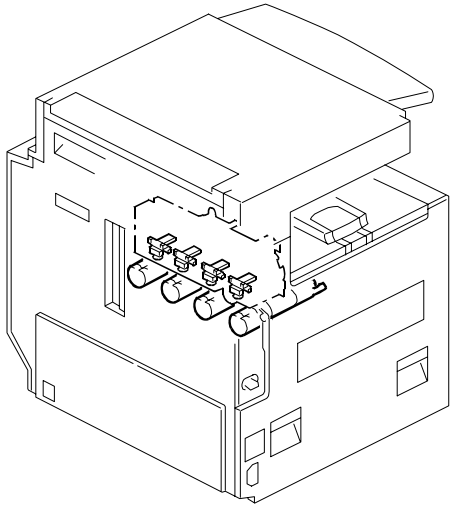
18. Toner Hopper 2 (B230/B237)



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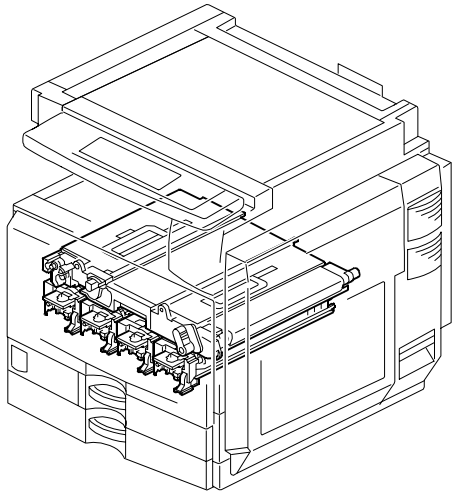
19. PCU/Transfer Unit (B230B237)



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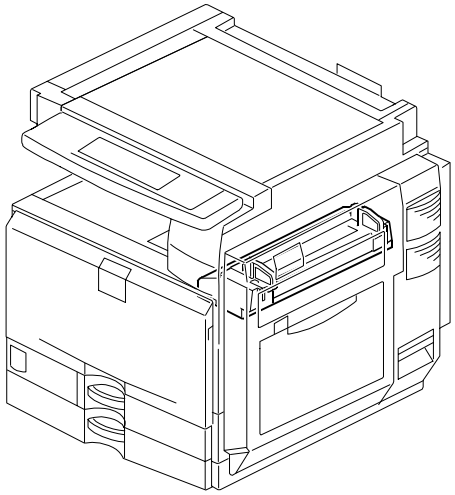
20. Fusing Unit 1 (B230/B237)



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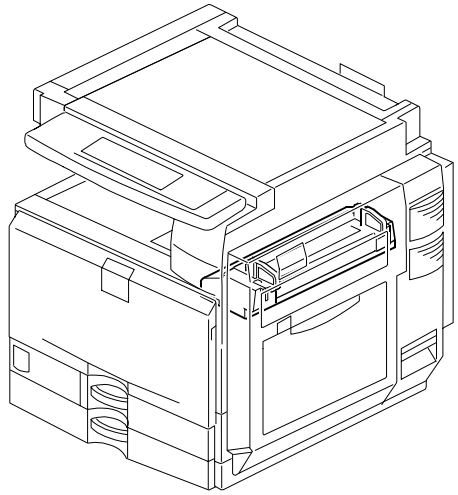
21. Fusing Unit 2 (B230/B237)



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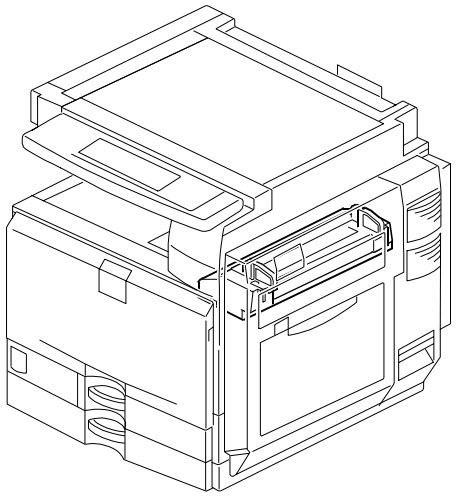
22. Fusing Unit 3 (B230/B237)



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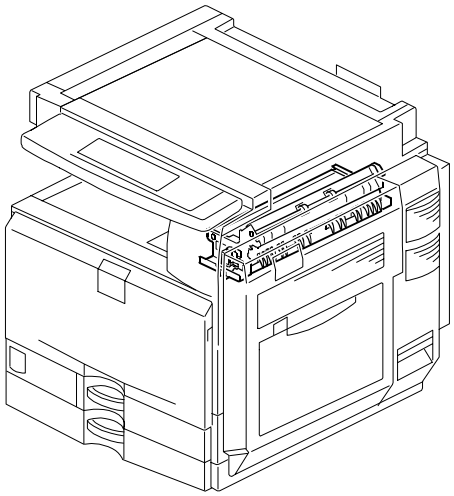
23. Paper Exit (B230/B237)



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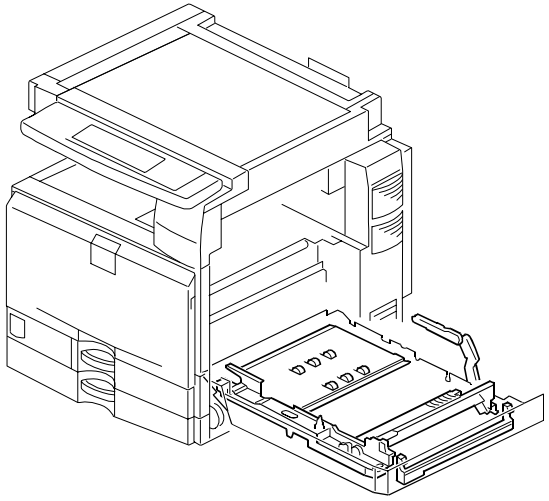
24. Duplex Unit 1 (B230/B237)



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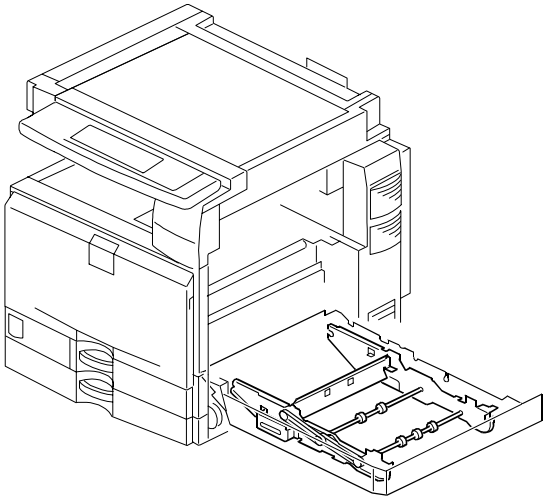
LOCATIONS OF UNITS

25. Duplex Unit 2 (B230/B237)



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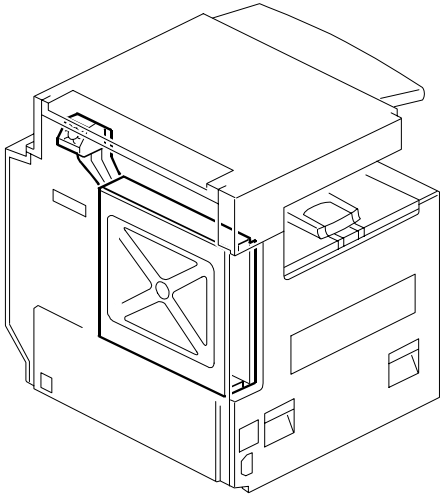
26. Electrical Section 1 (B230/B237)



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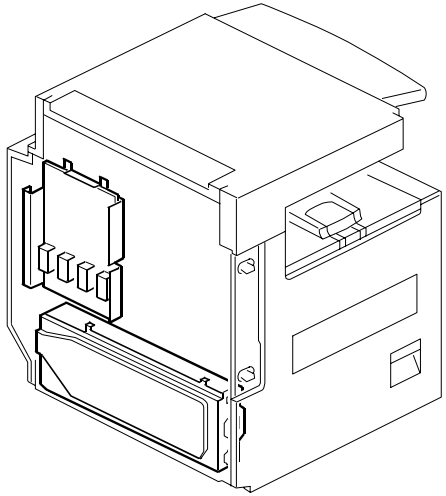
27. Electrical Section 2 (B230/B237)



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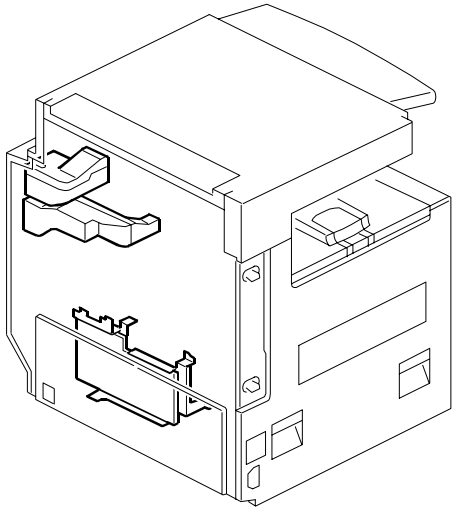
28. Electrical Section 3 (B230/B237)



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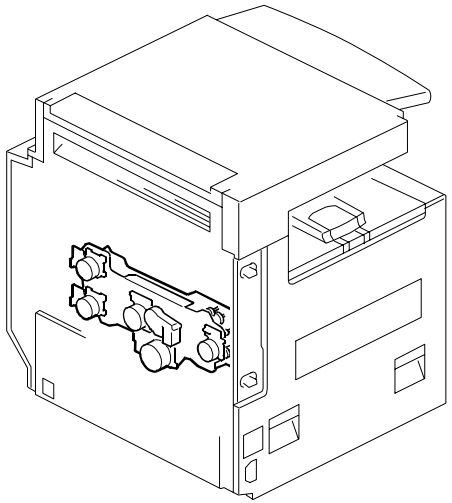
29. Drive Section 1 (B230/B237)



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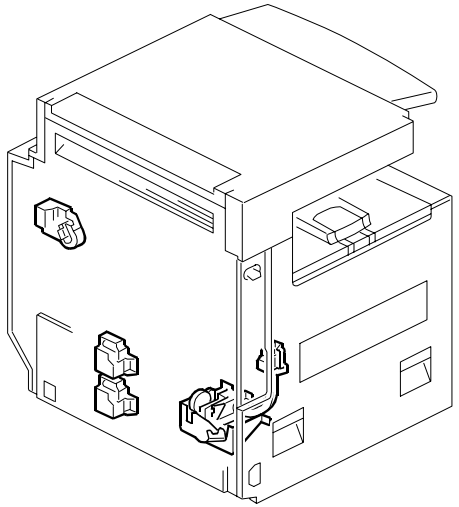
30. Drive Section 2 (B230/B237)



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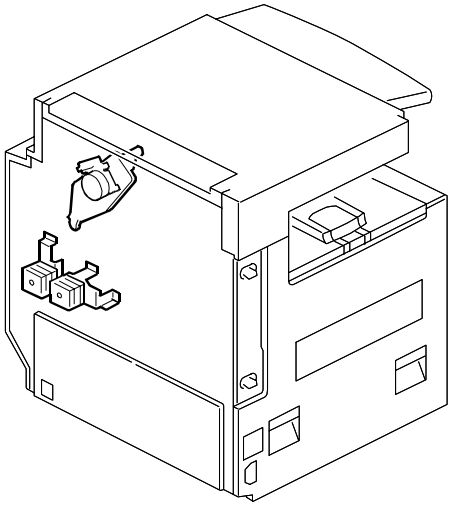
LOCATIONS OF UNITS

31. Drive Section 3 (B230/B237)



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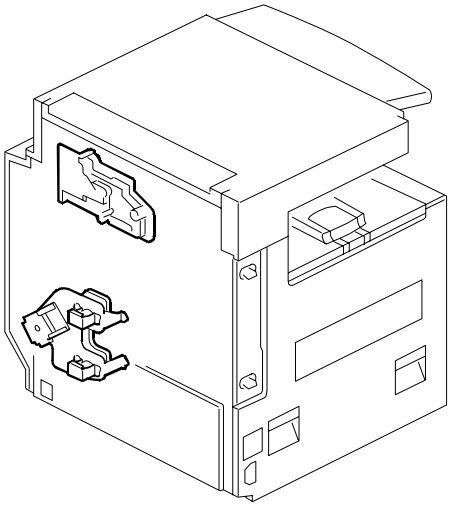
32. Drive Section 4 (B230/B237)



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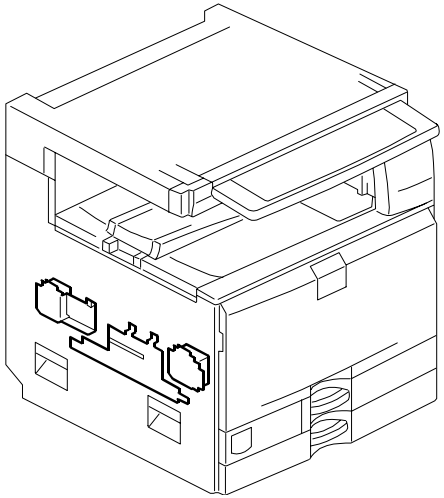
33. Frame Section 1 (B230/B237)



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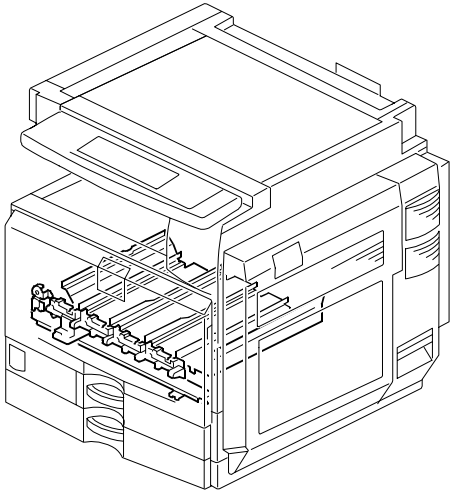
34. Frame Section 2 (B230/B237)



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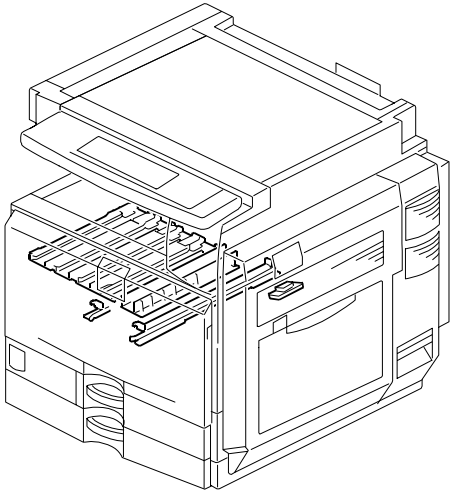
35. Frame Section 3 (B230/B237)



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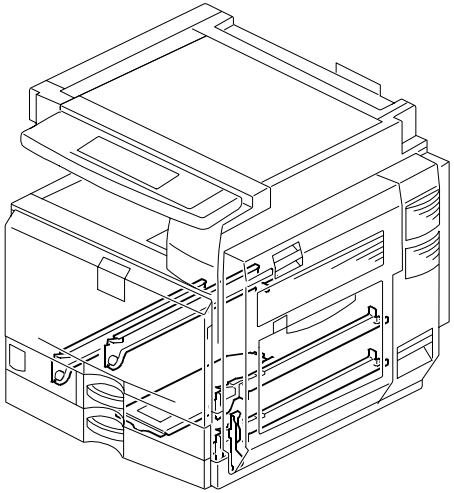
36. Frame Section 4 (B230/B237)



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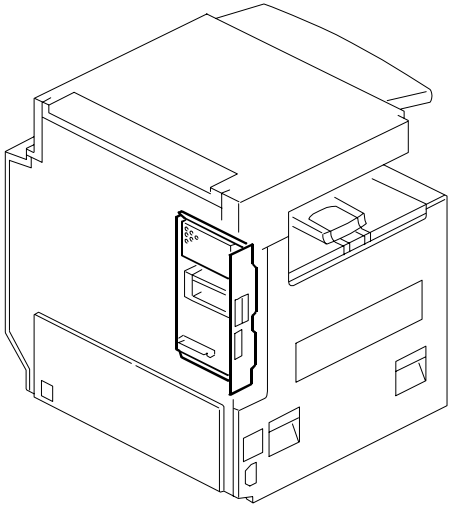
LOCATIONS OF UNITS

37. Controller (B230/B237)



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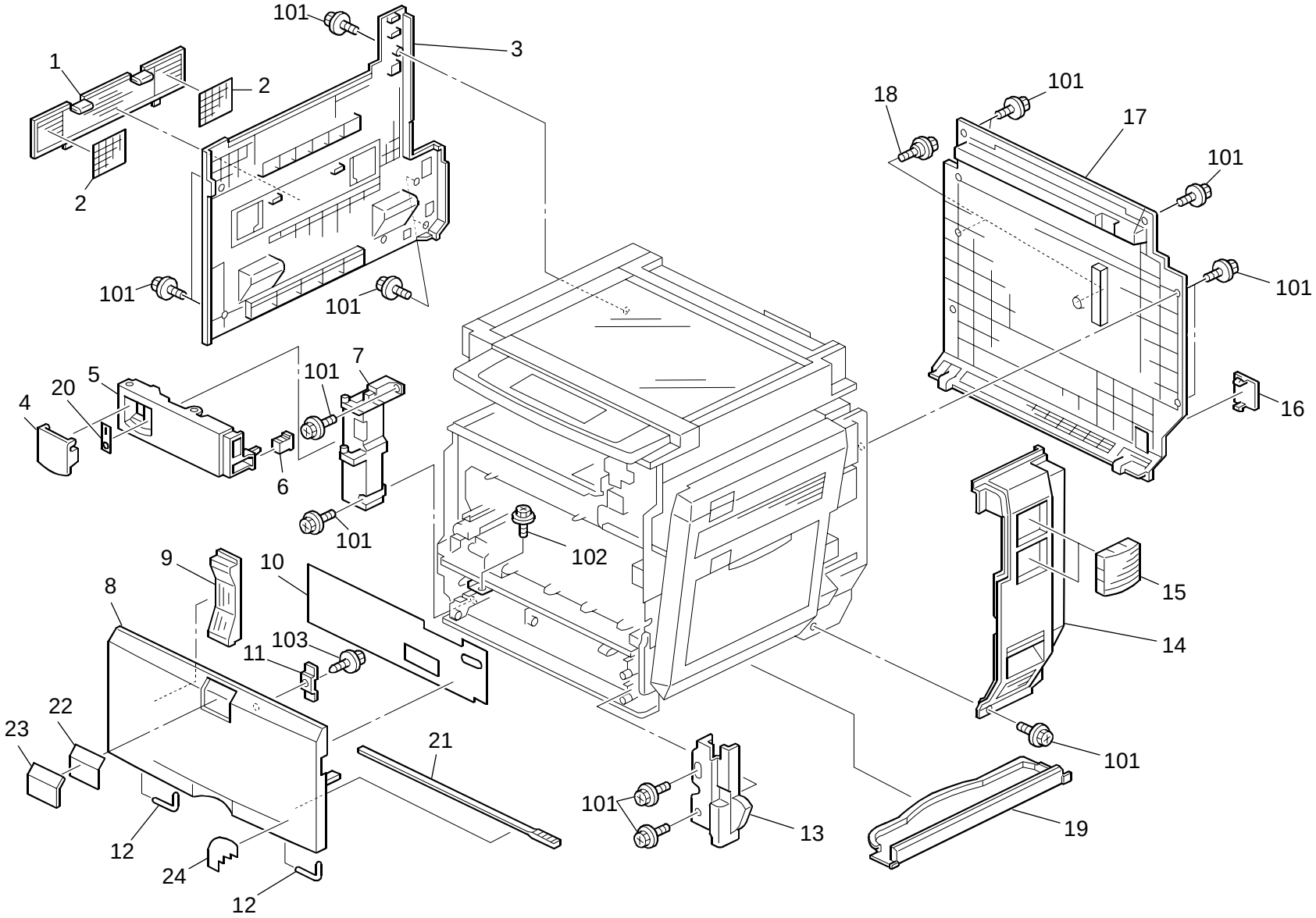
1.Exterior 1 (B230/B237)

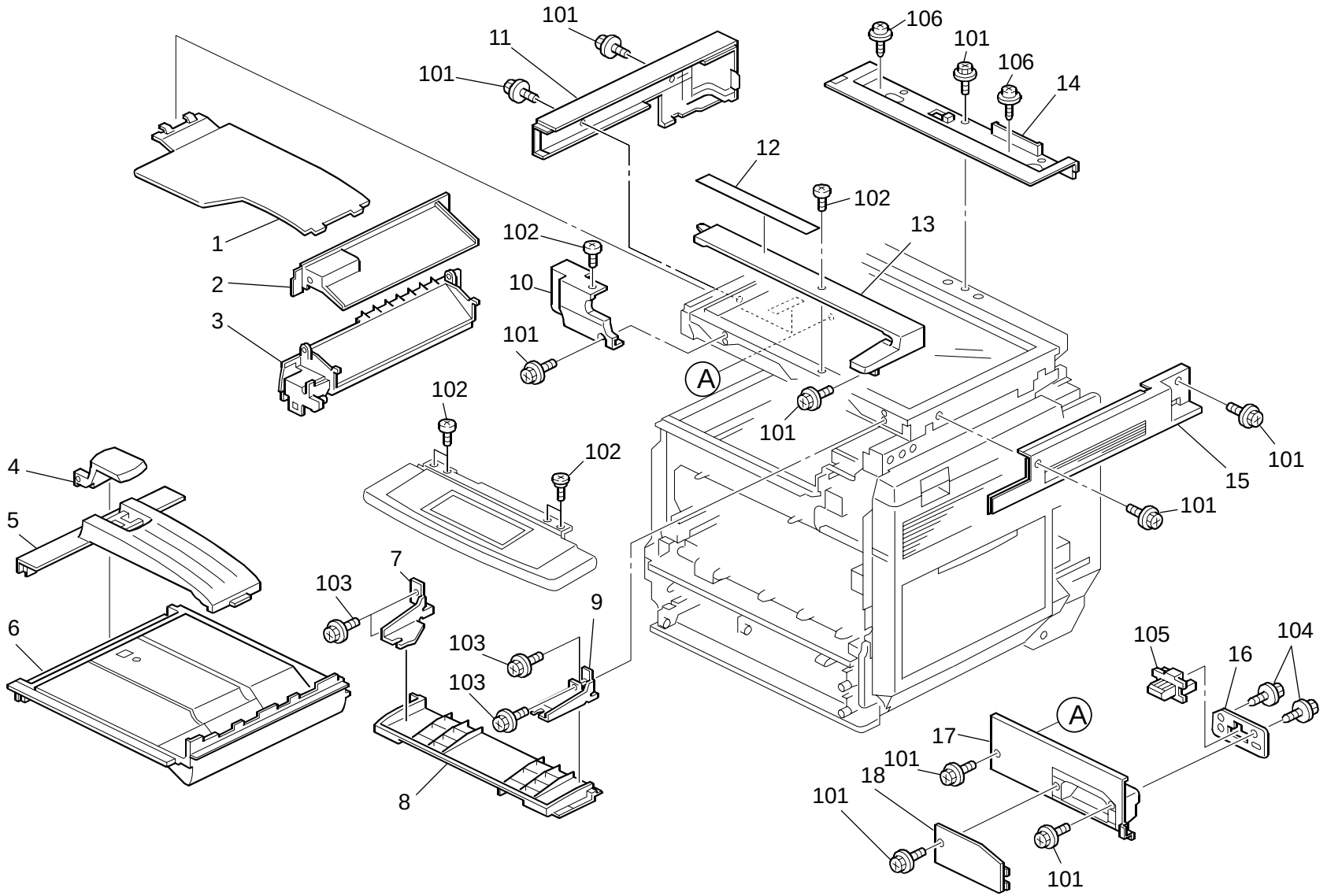


1.Exterior 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 1382	Cap - Left	1
2	B223 1348	Filter:Image Forming MD	2
3	B238 1384	Cover - Left DOM	1
3	B237 1384	Cover - Left EU	1
4	B223 1255	Cover - Main Switch	1
5	B223 1254	Collection Bottlecover - Front	1
6	AA02 1030	Magnet Catch	1
7	B223 1242	Inner Cover - Left	1
8	B223 1251	Cover - Front	1
9	B238 1390	Guide Plate	1
10	B238 1365	Sheet - Misfeed Removalt	1
11	B024 1264	Magnet Catch	1
12	G020 1332	Hinge - Front Cover	2
13	B238 1375	Cover - Right Front Lower DOM	1
13	B237 1375	Cover - Right Front Lower EU	1
14	B238 1371	Cover - Right Rear	1
14	B237 1371	Cover - Right Rear EU	1
15	B238 1373	Cap - Louver Mm80	2
16	B238 1396	Cap - Rear	1
17	B238 1393	Cover - Rear DOM	1
17	B237 1393	Cover - Rear EU	1
18	AA14 3578	Screw:M3	1
19	B238 1380	Cover - Right	1
19	B237 1380	Cover - Right Base EU	1
20	B237 1355	Decal - Main Switch EU OP	1
21	B223 1279	Cleaner:Shield Glass:Ass'y	1
22	B230 6932	Sheet:Emblem:AT-C1A:RIC	1
22	B230 6933	Sheet:Emblem:AT-C1A:SVN	1
22	B230 6934	Sheet:Emblem:AT-C1A:GES	1
22	B230 6935	Sheet:Emblem:AT-C1A:LAN	1
22	B230 6937	Sheet:Emblem:AT-C1A:LAN	1
22	B230 6939	Sheet:Emblem:AT-C1A:NSA	1
22	B230 6940	Sheet:Emblem:AT-C1A:REX	1
22	B230 6941	Sheet:Emblem:AT-C1A:GES	1
22	B237 6931	Sheet:Emblem:AT-C1B:RIC	1

Index No.	Part No.	Description	Q'ty Per Assembly
22	B237 6932	Sheet:Emblem:AT-C1B:SVN	1
22	B237 6933	Sheet:Emblem:AT-C1B:GES	1
22	B237 6934	Sheet:Emblem:AT-C1B:LAN	1
22	B237 6936	Sheet:Emblem:AT-C1B:LAN	1
22	B237 6938	Sheet:Emblem:AT-C1B:NSA	1
22	B237 6939	Sheet:Emblem:At-C1B:REX	1
22	B237 6940	Sheet:Emblem:AT-C1B:GES	1
23	B223 1253	Emblem Cover	1
24	AA00 0239	Decal:Color:MFP	1
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3012N	Tapping Screw:3x12	
103	0450 3010N	Tapping Screw - M3x10	

2.Exterior 2 (B230/B237)

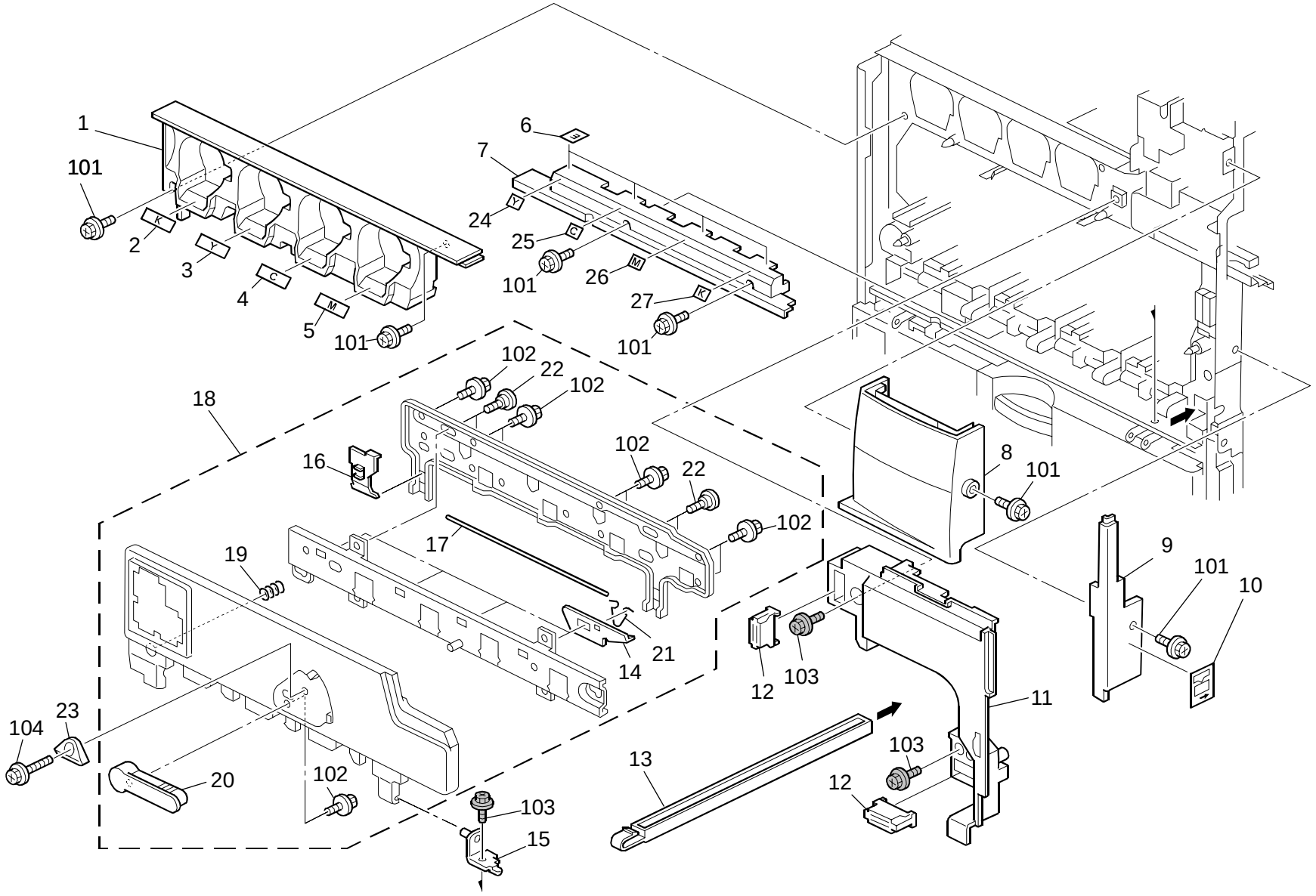


2.Exterior 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 4930	Reverse Tray	1
2	B238 1269	Cover - Reverse Unit Upper	1
3	B238 1268	Cover - Paper Exit Unit Upper	1
4	B223 4487	Exit End Fence	1
5	B223 4486	Exit Tray	1
6	B238 1360	Cover - Upper	1
6	B237 1360	Cover - Upper EU	1
7	B238 1585	Panel Bracket - Lower Left	1
8	B238 1594	Scanner Cover - Front Lower	1
8	B237 1594	Scanner Cover - Front Lower EU	1
9	B238 1586	Panel Bracket - Lower Right	1
10	B238 1589	Scanner Cover - Front Left	1
11	B238 1352	Scanner Cover - Left DOM	1
11	B237 1352	Scanner Cover - Left EU	1
12	B237 1595	Decal - Caution Original	1
13	B238 1597	Scanner Cover - Front Upper	1
14	B238 1367	Scanner Cover - Rear DOM	1
14	B237 1367	Scanner Cover - Rear EU	1
15	B238 1354	Scanner Cover - Right DOM	1
15	B237 1354	Scanner Cover - Right EU	1
16	B238 5891	Drawer Bracket	1
17	B238 1363	Cover - Inner Back DOM	1
17	B237 1363	Cover - Inner Back EU	1
18	B223 1263	Cover - Inner Back Middle	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0353 0050N	Screw-m3x5	
103	0451 3006N	Tapping Screw - 3x6	
104	0450 3008N	Tapping Screw - M3x8	
105	1102 9782	Connector:51405-1819	
106	0951 4010N	Screw:Polished Round:M4x10	

3.Exterior 3 (B230/B237)

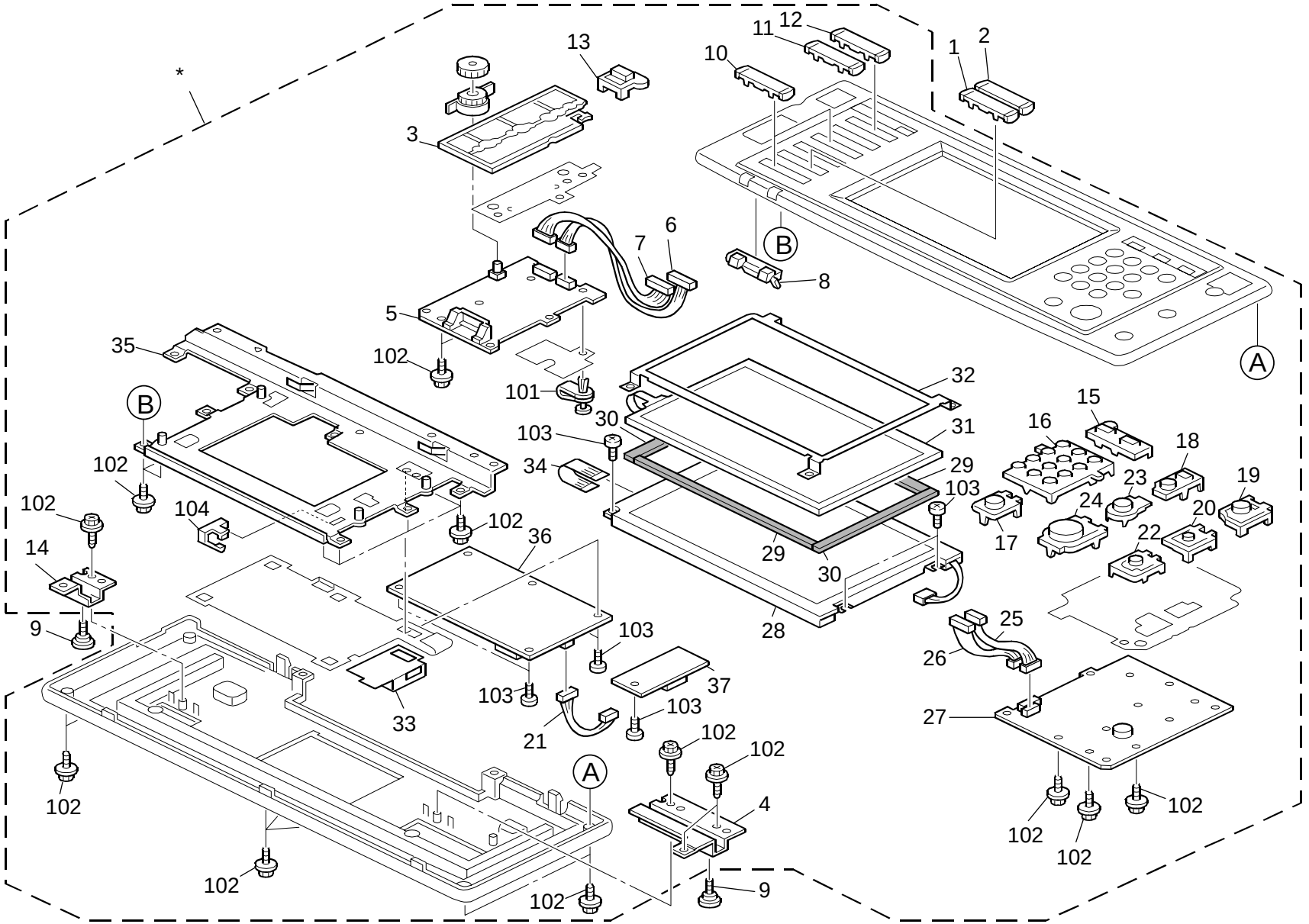


3.Exterior 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 1398	Inner Cover - Upper Left DOM	1
1	B237 1398	Inner Cover - Upper Left EU	1
2	B238 3364	Decal:Colored Display:BK:Inner Cover	1
3	B238 3365	Decal:Colored Display:Y:Inner Cover	1
4	B238 3366	Decal:Colored Display:C:Inner Cover	1
5	B238 3367	Decal:Colored Display:M:Inner Cover	1
6	B238 1368	Decal - Cleaning	4
7	B223 1244	Inner Cover - Middle	1
8	B238 1397	Cover - Front Right DOM	1
8	B237 1397	Cover - Front Right EU	1
9	B238 1378	Cover - Right Front Upper DOM	1
9	B237 1378	Cover - Right Front Upper EU	1
10	B238 1362	Decal - Misfeed Removal B1	1
11	B238 1356	Inner Cover - Upper Right	1
12	AG07 1012	Magnet Catch:Ass'y	2
13	B238 2615	Case - Remove Paper Dust	1
14	B223 1315	Ball Bearing Plate	4
15	B223 1123	Hinge - Cover Drum Stay	1
16	B223 1306	Drum Stay	1
17	B223 1319	Wire	1
18	B223 1300	Drum Stay PCU Ass'y	1
19	B223 1318	Spring	1
20	B223 1303	Drum Stay Lever	1
21	B223 1316	Ball Bearing Clip	4
22	B223 1317	Screw	4
23	B223 1304	Stopper:Lever:Drum Stay	1
24	GA00 3030	Decal - Shielding Plate Y	1
25	GA00 3032	Decal - Shielding Plate C	1
26	GA00 3031	Decal - Shielding Plate M	1
27	GA00 3033	Decal - Shielding Plate K	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3010N	Tapping Screw - M3x10	
103	0454 3006Q	Tapping Screw - M3x6	
104	0451 3012N	Tapping Screw:3x12	

4.Operation Panel (B230/B237)

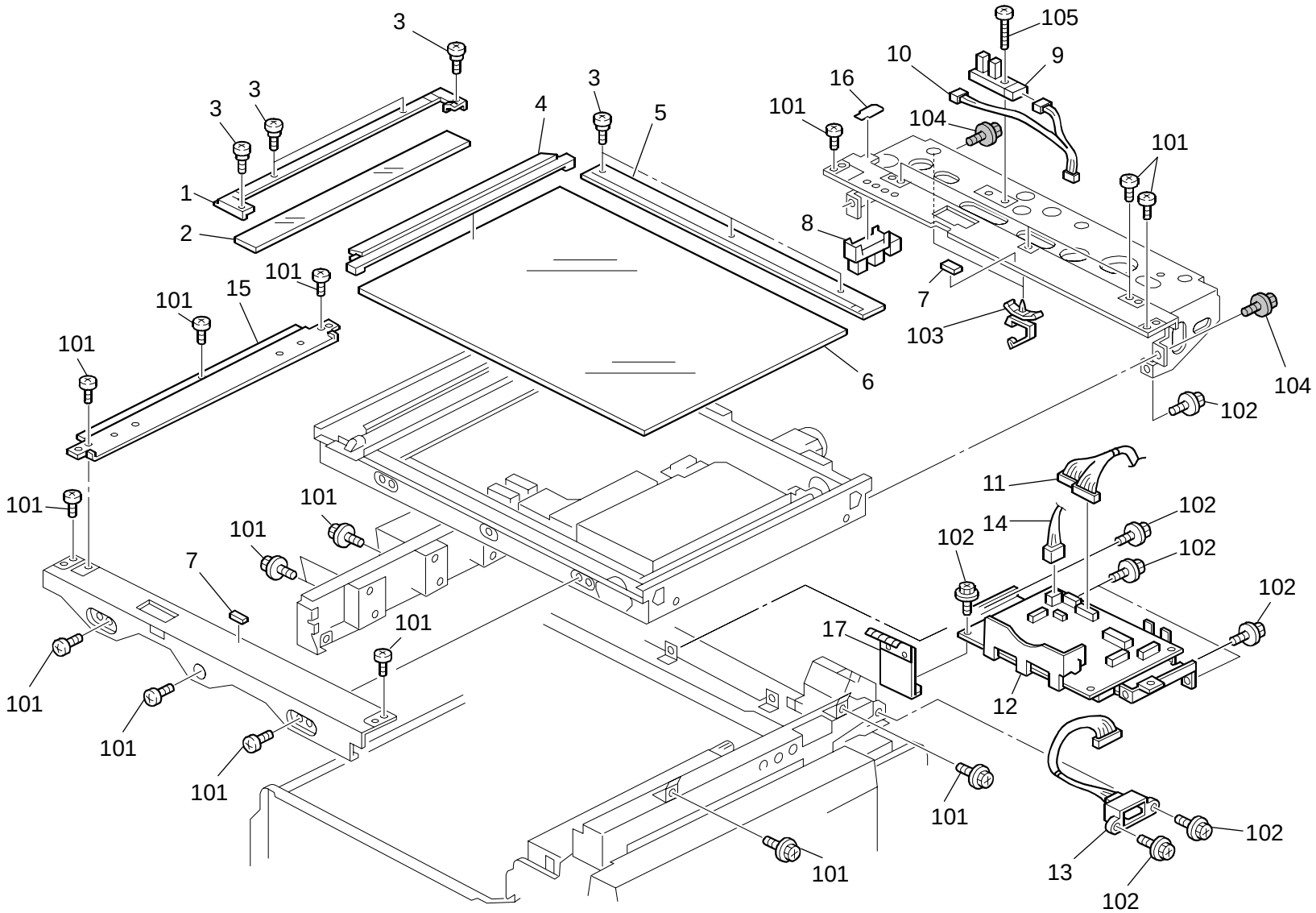


4.Operation Panel (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B237 1411	Operation Panel NA	1
*	B237 1412	Operation Panel EU Ass'y	1
1	B238 1516	Keytop - Scanner	1
1	B238 1581	Keytop - Scanner EU	1
2	B238 1515	Keytop - Printer	1
2	B238 1580	Keytop - Printer EU	1
3	B238 1547	Spacer - Keytop	1
4	B238 1548	Operation Panel Bracket - Right	1
5	B223 1475	PCB OP-L	1
6	B238 1482	Harness - OP-L 12p	1
7	B238 1483	Harness - OP-L 13p	1
8	B238 1519	Lens - Front	1
9	AA14 3861	Screw - DIA5	2
10	B223 1518	Keytop - Blank FB	2
11	B238 1572	Keytop - Doc NA	1
11	B238 1578	Keytop - Doc EU	1
12	B238 1571	Keytop - Copy NA	1
12	B238 1577	Keytop - Copy EU	1
13	B238 1511	Keytop - Counter	1
14	B238 1527	Operation Panel Bracket	1
15	B238 1583	Keytop - Clear Modes	1
16	B238 1584	Keytop - 10key NA	1
16	B238 1508	Keytop - 10key	1
17	B238 1505	Keytop - Clear/Stop	1
18	B238 1509	Keytop - Interrupt	1
19	B238 1549	Keytop - Power Source	1
20	B238 1550	Keytop - Login	1
21	B238 1484	Harness - Invertor	1
22	B238 1552	Keytop - Kantan	1
23	B238 1506	Keytop - Try Print	1
24	B238 1504	Keytop - Start	1
25	B238 1480	Harness - OP-R 10p	1
26	B238 1481	Harness - OP-R 13p	1
27	B238 1470	PCB OP-R	1
28	B223 1485	LCD - TFT W-VGA TM	1

Index No.	Part No.	Description	Q'ty Per Assembly
28	B223 1489	LCD - TFT W-VGA SH	1
29	B238 1535	LCD Spacer B	2
30	B238 1534	LCD Spacer A	2
31	B223 1494	Touch Panel - W-vga F	1
32	B223 1507	Shadeing Plate:Touch Panel:Ass'y	1
32	B238 1557	Shadeing Plate - Touch Panel	1
33	B238 1533	Insulator	1
34	B223 1487	Cable - FFC TFT LCD	1
35	B238 1556	Lcdc Bracket	1
36	B238 1461	PCB LCDC NA	1
36	B238 1462	PCB LCDC EU	1
37	B223 1486	Invertor - TFT	1
101	1105 0032	Clamp	
102	0450 3010N	Tapping Screw - M3x10	
103	0353 0060N	Bind Screw - M3x6	
104	1105 0598	Clamp:Lwss-1n	

5.Scanner Section 1 (B230/B237)

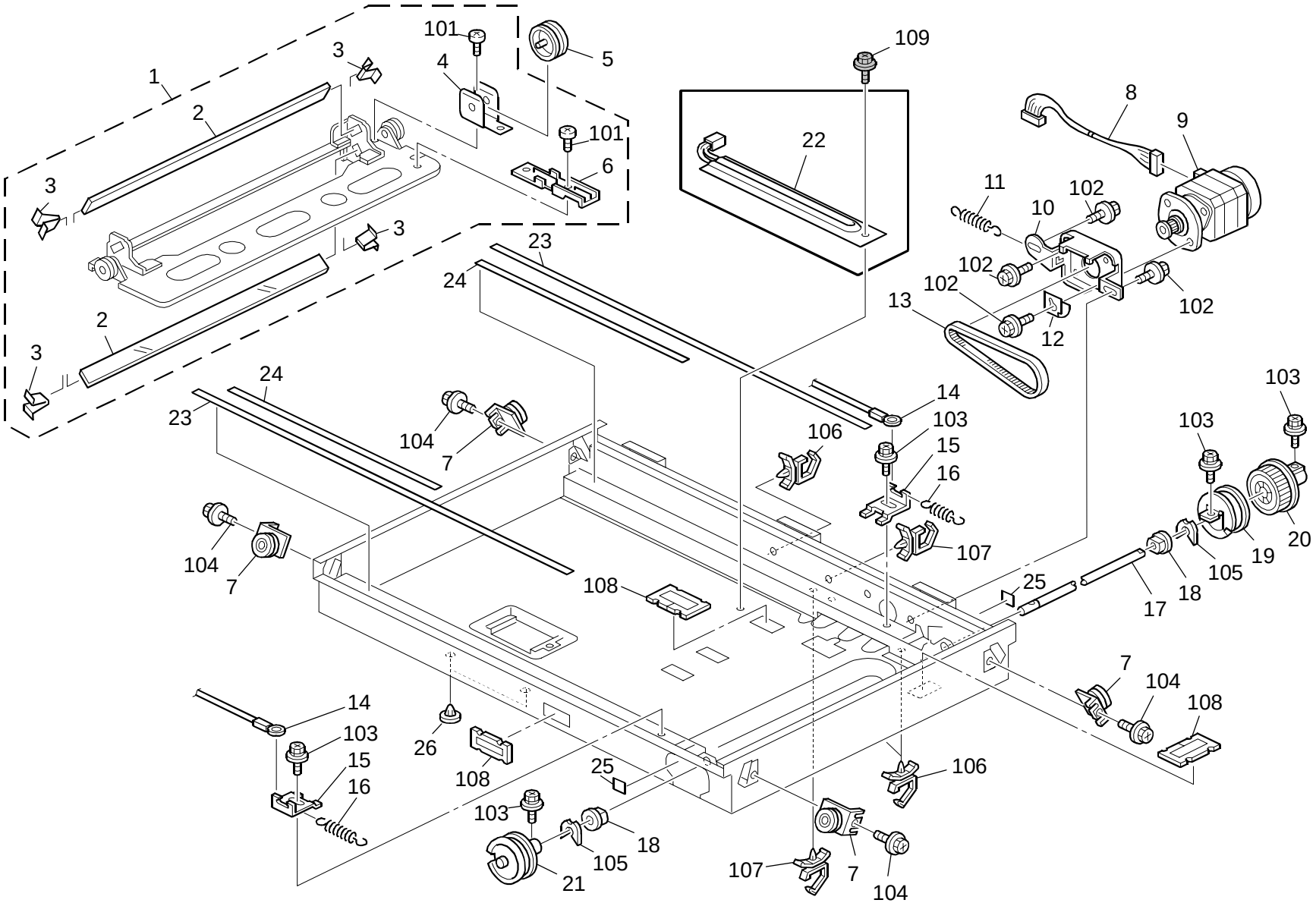


5.Scanner Section 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 1801	Scale - Left (A)	1
2	B238 1795	Exposure Glass	1
3	B390 1759	Shaft:Scale	7
4	B238 1713	Scale - Left (B)	1
5	B229 1751	Scale - Inner Back	1
6	A250 1752	Exposure Glass	1
7	5442 1924	Exposure Glass Cushion	2
8	AW02 0145	Photointerruptor:Flat	1
9	AW02 0146	Photointerruptor:Flat:Pich2mm:M4	1
10	B238 5370	Harness - HPS/AKS	1
11	B238 5327	Harness - BICU SIO	1
12	B238 5135	PCB SIO	1
13	B238 5374	Harness - SIO ARDF	1
14	B238 5369	Harness - Lamp	1
15	B238 1803	Document Feeder Bracket	1
16	G570 1225	Sensor Shielding Plate	1
17	B238 5348	Scanner Ground Plate - Rear	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0453 3006N	Tapping Screw - M3x6	
102	0451 3006N	Tapping Screw - 3x6	
103	1105 0511	Harness Clamp - LWS-0306ZC	
104	0454 3006Q	Tapping Screw - M3x6	
105	0314 0120N	Screw - M4X12	

6.Scanner Section 2 (B230/B237)

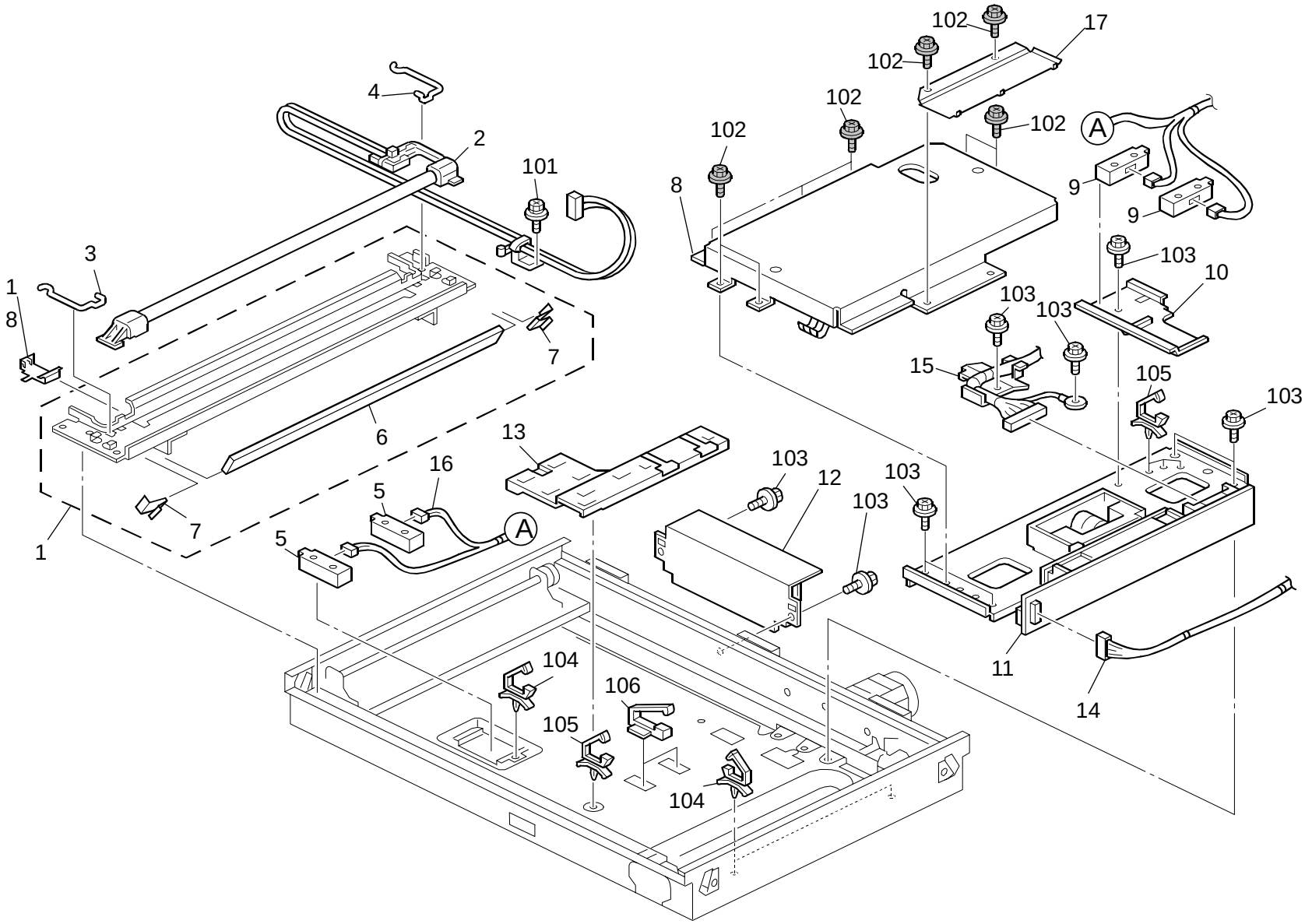


6.Scanner Section 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 1688	Carriage Unit No.2	1
2	AC03 0162	Mirror No.2	2
3	G404 2810	Spring Plate - 2nd Mirror	4
4	G570 2833	Pulley Holder	1
5	G570 2834	Pulley - High Voltage Supply Cord	1
6	G570 2832	Guide - High Voltage Supply Cord	1
7	B238 1806	Idler Pulley	4
8	B238 5371	Harness - STM	1
9	B238 1715	Stepper Motor DC3.9V	1
10	B238 1788	Stepper Motor Bracket	1
11	AA06 0979	Tension Spring:Tension:14720mn	1
12	B238 1762	Ground Plate - Stepper Motor	1
13	B238 1792	Timing Belt - 157ST1.5-4.0	1
14	B238 1787	Drive Were	2
15	B180 1704	Bracket:Tension	2
16	AA06 0980	Tension Spring:Tension:11300mn	2
17	B238 1786	Scanner Drive Shaft	1
18	AA08 2144	Bushing - 8x12x7	2
19	B180 1812	Pulley:Drive Were:Rear:Sub-ass'y	1
20	G570 1133	Timing Pulley 73	1
21	B180 1810	Pulley:Drive Were:Front:Sub-ass'y	1
22	B229 1688	Heater:Option:230V:9W	1
23	A193 1816	1st Slide Rail	2
24	B180 1734	Slide Rail:No.2	2
25	B238 1793	Bushing Spacer	2
26	B238 1796	Hall Plug	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0353 0050N	Screw-m3x5	
102	0451 3006N	Tapping Screw - 3x6	
103	0802 5299	Tapping Screw - M3x8	
104	0451 3008N	Tapping Screw - M3x8	
105	0805 0088	Retaining Ring - M6	
106	1105 0516	Clamp	
107	1105 0487	Harness Clamp	
108	1105 0621	Clamp - SB-2712	
109	0454 3006Q	Tapping Screw - M3x6	

7.Scanner Section 3 (B230/B237)

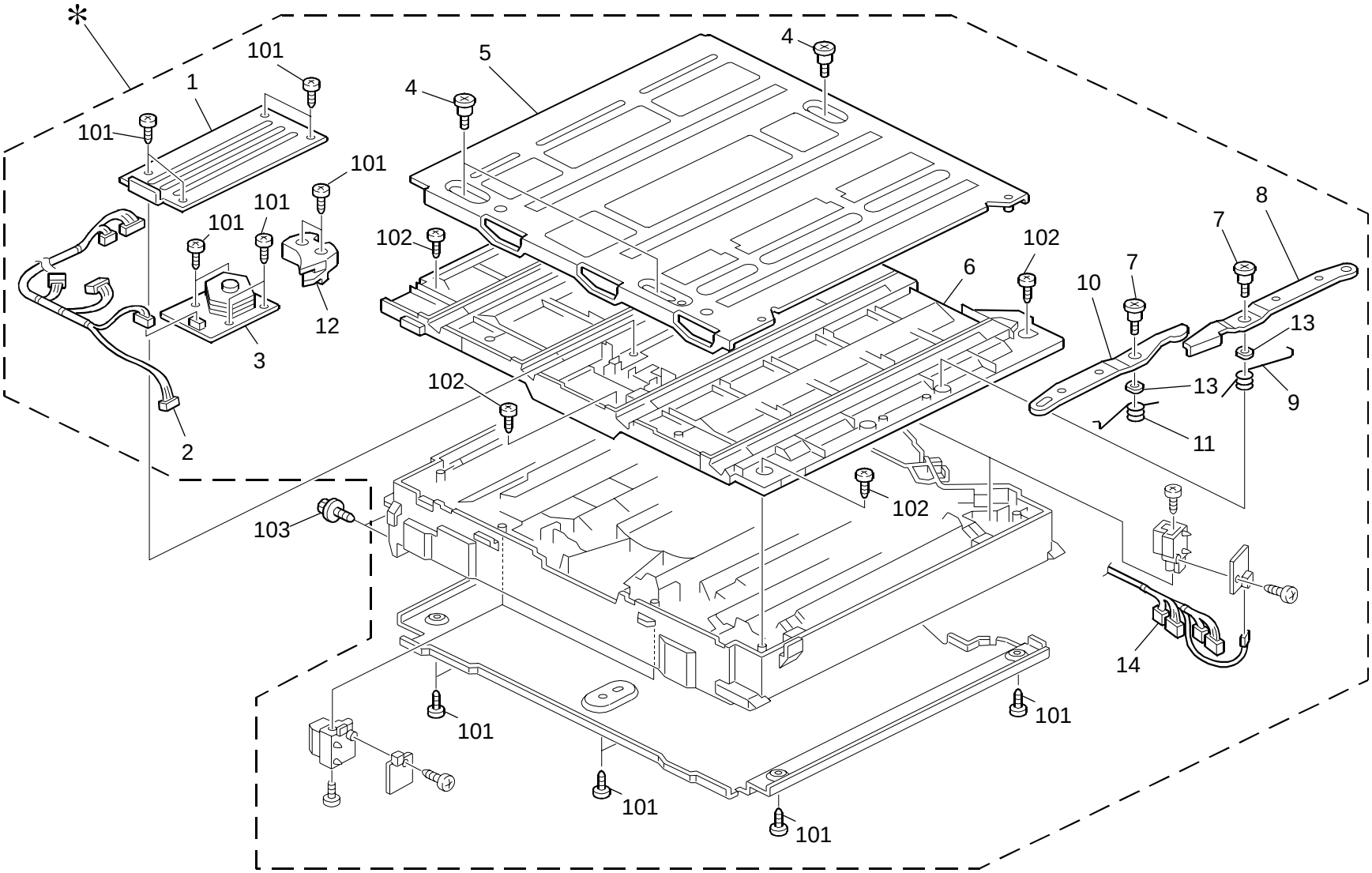


7.Scanner Section 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B180 1816	Carriage Unit No.1	1
2	B238 1820	Xenon Lamp - Dia10	1
3	A193 1766	Wire Clamp	1
4	A193 1769	Clamp - Rear Wire	1
5	AW01 0133	Original Sensor - 66mm	2
6	AC03 0142	1st Mirror	1
7	A193 1767	1st Mirror Holder	2
8	B238 1823	Inner Cover - Scanner	1
9	AW01 0134	Original Sensor - 48mm	2
10	B238 1827	Original Sensor Bracket	1
11	B238 1703	Lens:Holder:Ass'y	1
12	B238 1821	Stabilizer	1
13	B238 1753	Inner Cover - Sensor	1
14	B238 5368	Harness - SBU	1
15	B238 5345	Scanner Interface Cable	1
16	B238 5367	Harness - APS	1
17	B238 5344	Sbu Ground Plate	1
18	B238 1812	Ground Plate - Carriage	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0802 5299	Tapping Screw - M3x8	
102	0454 3006Q	Tapping Screw - M3x6	
103	0451 3006N	Tapping Screw - 3x6	
104	1105 0511	Harness Clamp - LWS-0306ZC	
105	1105 0516	Clamp	
106	1105 0622	Clamp - JCC-1R	

8.Laser Unit (B230/B237)

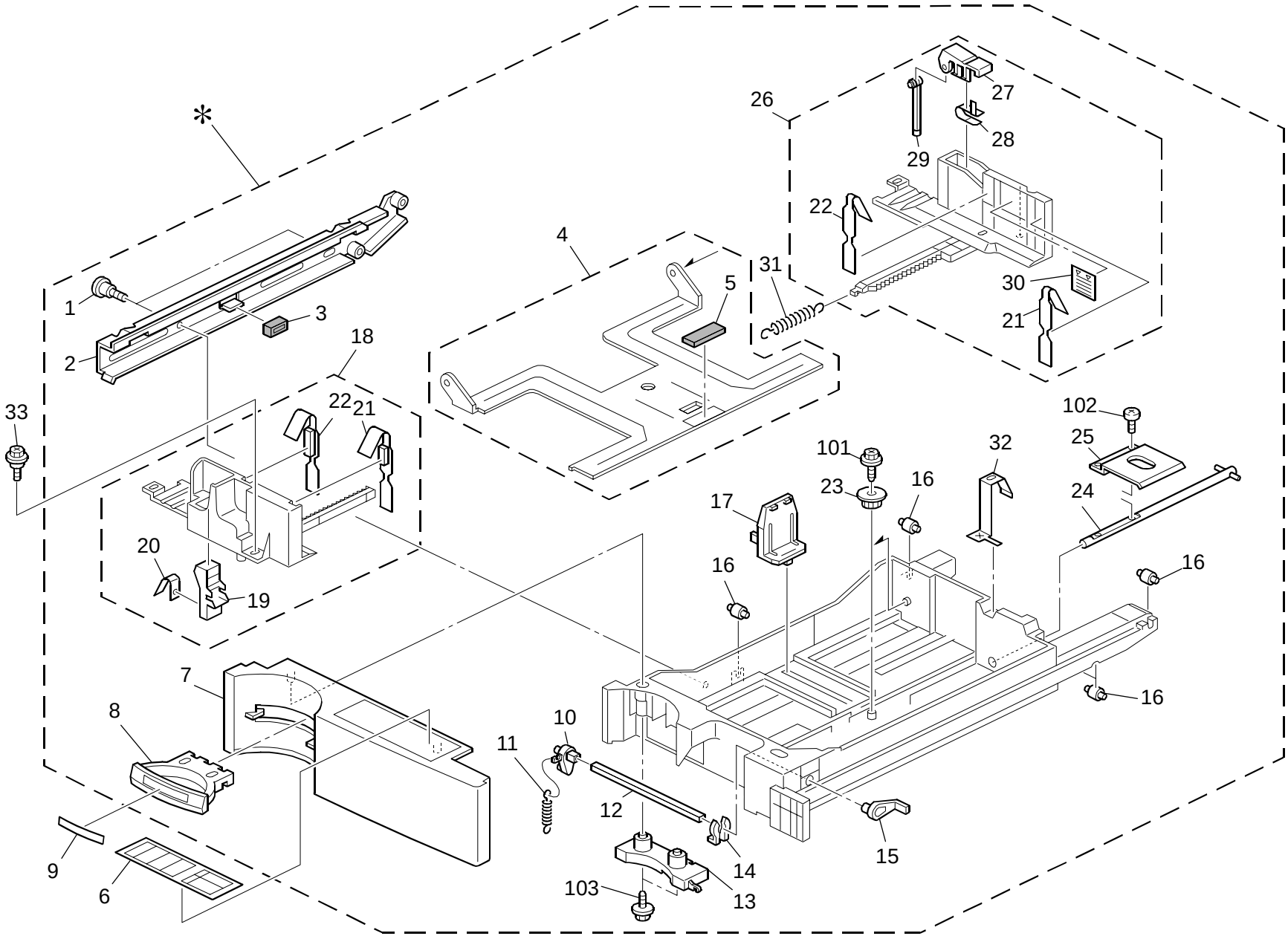


8.Laser Unit (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B238 1854	Laser Optics Housing Unit	1
1	B223 1882	Cover - Polygon Motor	1
2	B238 5361	Harness - Polygon Mirror Motor	1
3	AX06 0318	Polygon Mirror Motor DC24V	1
4	B223 1907	Screw	3
5	B223 1885	Shutter Ass'y	1
6	B223 1881	Cover - Upper	1
7	B223 1988	Screw:Link:Shutter	2
8	B223 1908	Link:Shutter:1	1
9	B223 1913	Torsion Spring:Link:1	1
10	B223 1909	Link:Shutter:2	1
11	B223 1914	Torsion Spring:Link:2	1
12	B223 1903	Louver	1
13	B223 1989	Plate Nut:Link	2
14	B238 5363	Harness - Ldb	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0452 3008N	Tapping Screw - M3x8	
102	0452 3010N	Binding Self-tapping Screw:3x10	
103	0451 3008N	Tapping Screw - M3x8	

9.1st Paper Tray (B230/B237)

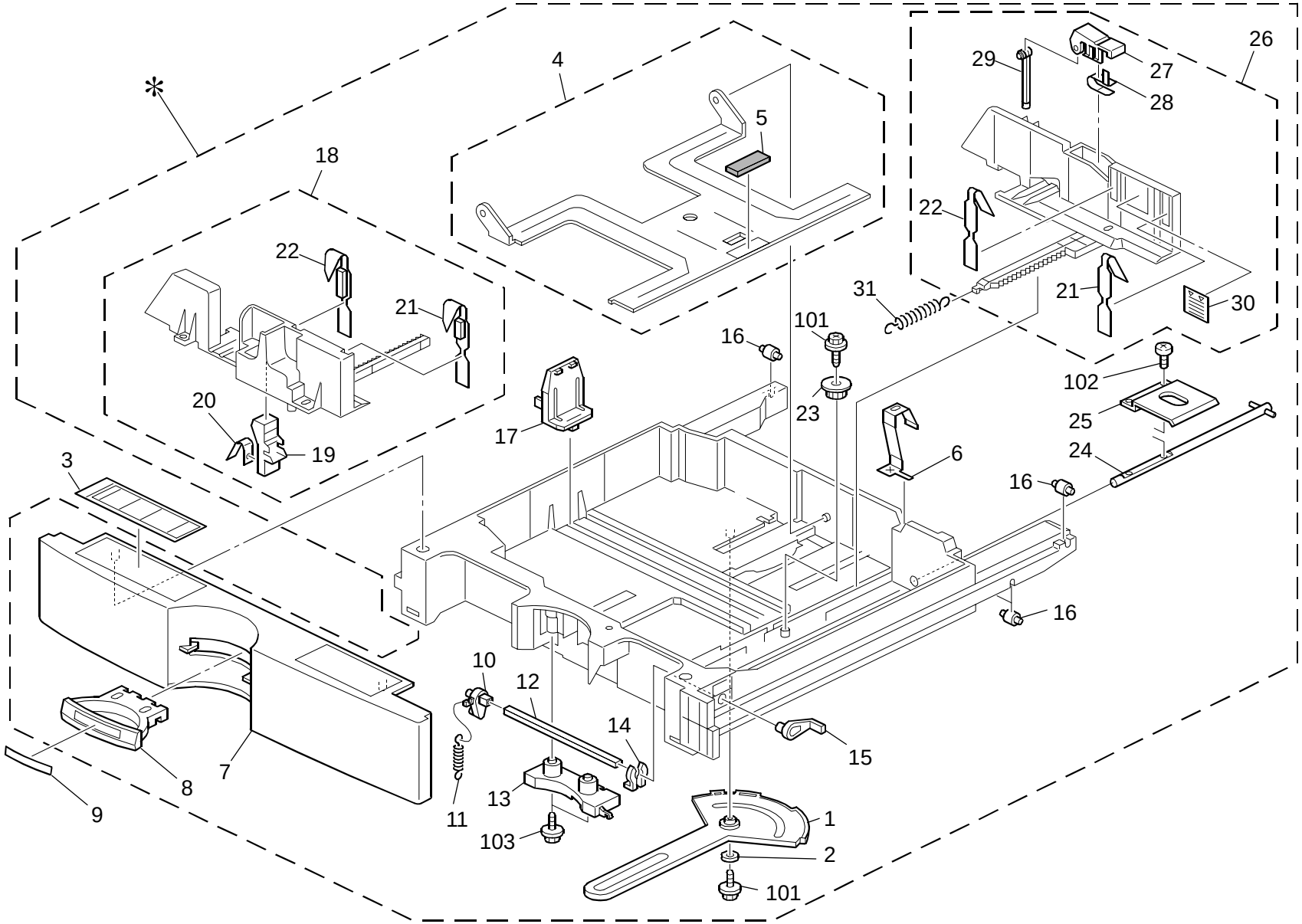


9.1st Paper Tray (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2850	Paper Tray Unit No.1	1
1	AA14 3843	Screw:DIA6	2
2	B223 2890	Slide Rail - Left	1
3	B223 2894	Slide Rail Stopper - Left	1
4	B223 2940	Tray Bottom Plate	1
5	AF01 3006	Bottom Plate Pad	1
6	B237 2521	Decal - Paper Set Direction No.1	1
7	B223 2857	Cover - Paper Tray No.1	1
8	B223 2860	Paper Tray Grip	1
9	B238 2526	Decal - Grip	1
10	B223 2862	Lever - Release Inner	1
11	AA06 0900	Spring	1
12	B223 2863	Release Shaft	1
13	B223 2861	Grip Holder	1
14	A222 2724	External Circlip - Mm8	1
15	B223 2864	Lever - Release Outer	1
16	A232 2987	Roller - Paper Tray	4
17	B223 2912	End Fence	1
18	B223 2870	Side Fence - Front	1
19	B223 2923	Stopper Lever - Front	1
20	B004 2923	Spring Plate - Release Lever	1
21	B223 2935	Plate - Side Fence Right	2
22	B223 2934	Plate - Side Fence	2
23	B223 2936	Gear - 16Z	1
24	B223 2865	Rise No.1 Shaft	1
25	B223 2918	Rise Lever	1
26	B223 2880	Side Fence - Rear	1
27	A267 2860	Rear Lever Stopper	1
28	A267 2857	Spring Plate - Side Fence	1
29	A267 2859	Side Fence Stopper	1
30	B223 2873	Decal - Side Fence Rear	1
31	AA06 1003	Tension Spring:Side Fence:Rear	1
32	B223 2869	Ground Plate	1
33	AA14 3577	Screw:TP:M4	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 4008N	Tapping Screw - M4x8	
102	0453 3008N	Binding Self Tapping Screw:3x8	
103	0450 3012N	Tapping Screw:3x12	

10.2nd Paper Tray (B230/B237)

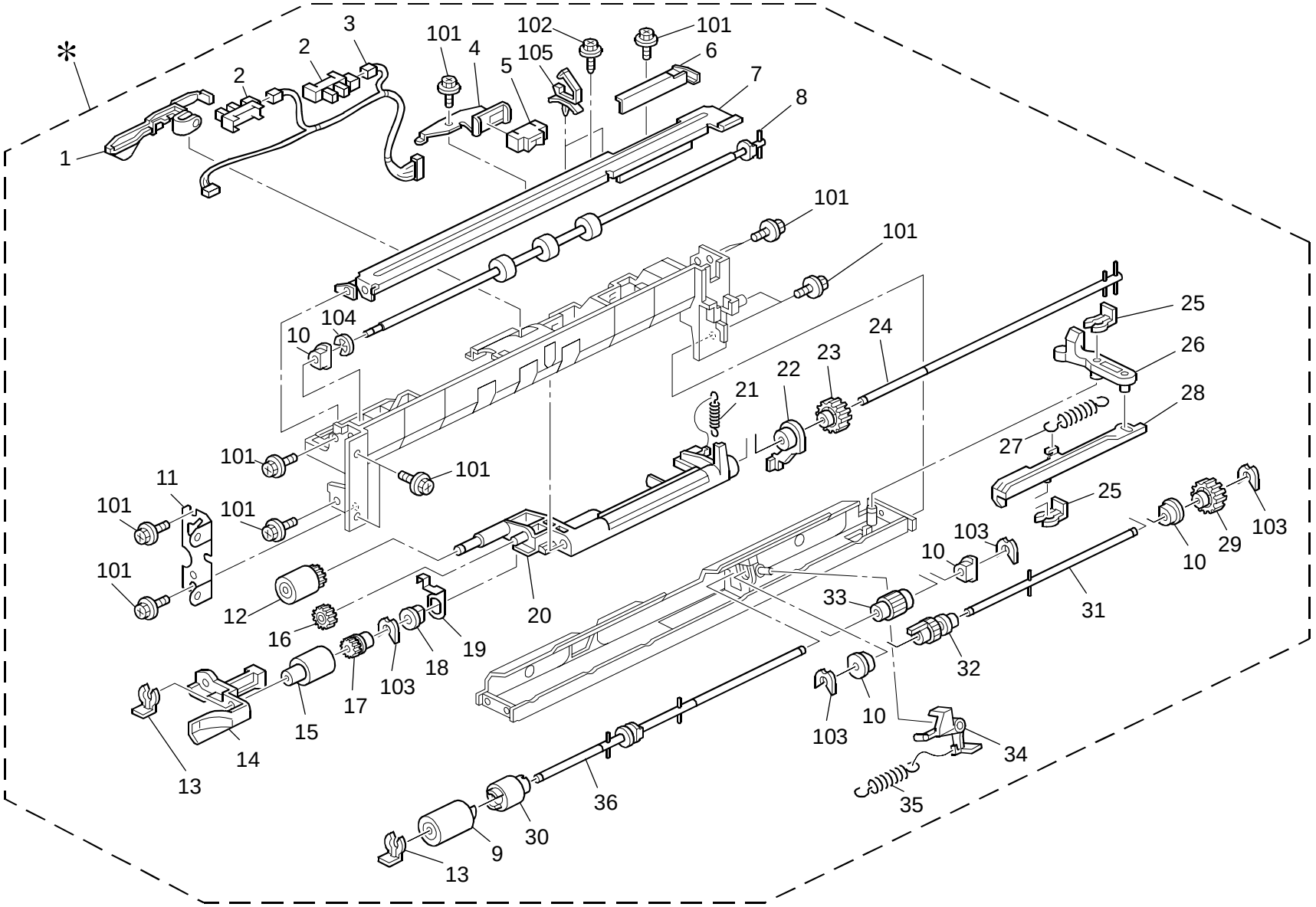


10.2nd Paper Tray (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2900	Paper Tray Unit No.2	1
1	B223 2910	Link - Paper Size Sensor	1
2	B223 2911	Spacer	1
3	B238 2523	Decal - Paper Set Direction No.2	1
4	B223 2940	Tray Bottom Plate	1
5	AF01 3006	Bottom Plate Pad	1
6	B223 2919	Ground Plate - Paper Tray No.2	1
7	B223 2946	Cover - Paper Tray No.2	1
8	B223 2860	Paper Tray Grip	1
9	B238 2527	Decal - Grip	1
10	B223 2862	Lever - Release Inner	1
11	AA06 0900	Spring	1
12	B223 2863	Release Shaft	1
13	B223 2861	Grip Holder	1
14	A222 2724	External Circlip - Mm8	1
15	B223 2864	Lever - Release Outer	1
16	A232 2987	Roller - Paper Tray	4
17	B223 2912	End Fence	1
18	B223 2920	Front Side Fence	1
19	B223 2923	Stopper Lever - Front	1
20	B004 2923	Spring Plate - Release Lever	1
21	B223 2935	Plate - Side Fence Right	2
22	B223 2934	Plate - Side Fence	2
23	B223 2936	Gear - 16Z	1
24	B223 2865	Rise No.1 Shaft	1
25	B223 2918	Rise Lever	1
26	B223 2930	Rear Side Fence	1
27	A267 2860	Rear Lever Stopper	1
28	A267 2857	Spring Plate - Side Fence	1
29	A267 2859	Side Fence Stopper	1
30	B223 2873	Decal - Side Fence Rear	1
31	AA06 1003	Tension Spring:Side Fence:Rear	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 4008N	Tapping Screw - M4x8	
102	0453 3008N	Binding Self Tapping Screw:3x8	
103	0450 3012N	Tapping Screw:3x12	

11.Paper Feed Section (B230/B237)

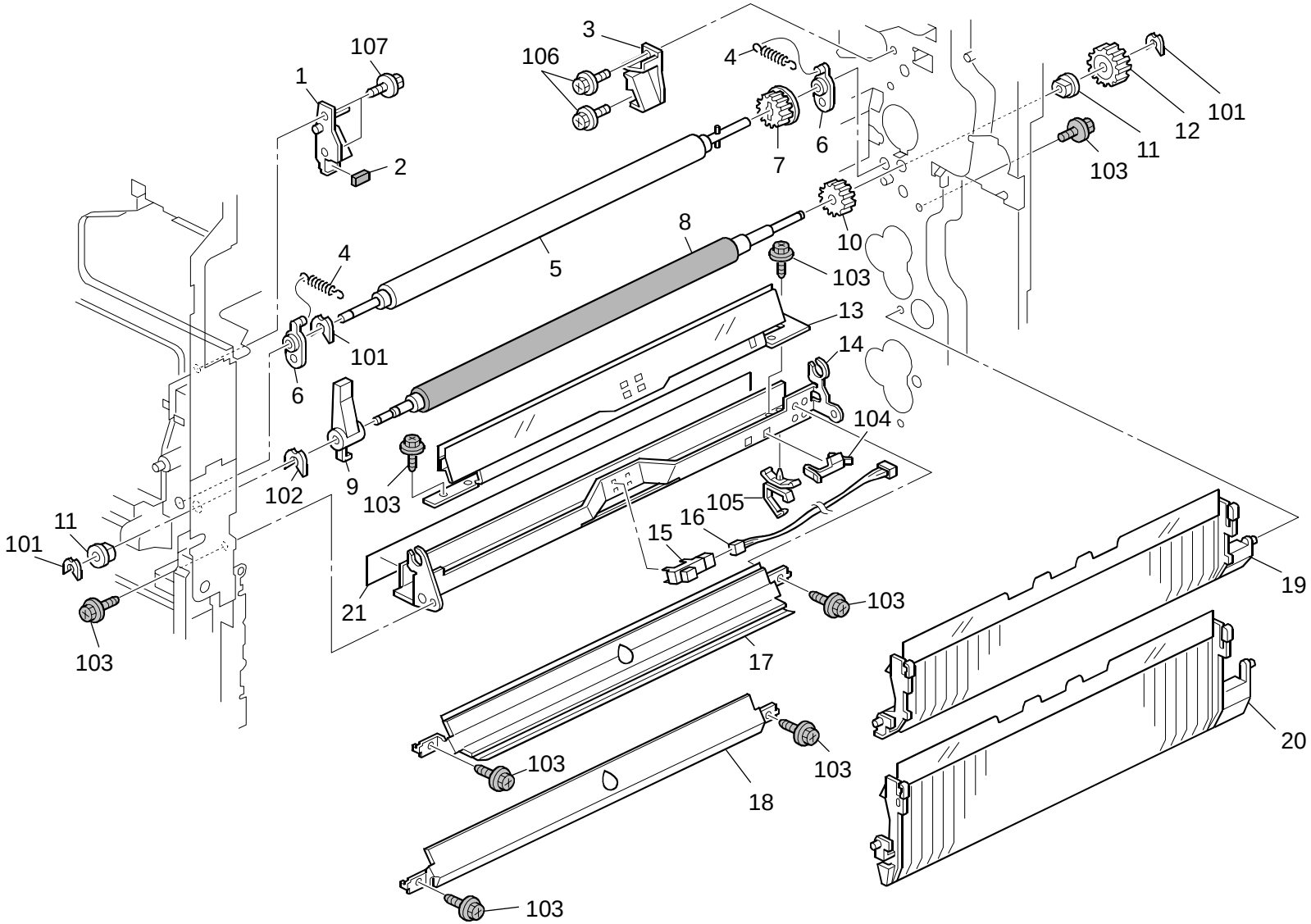


11.Paper Feed Section (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B238 2520	Paper Feed Unit	2
1	B223 2767	Paper End Feeler	1
2	AW02 0145	Photointerruptor:Flat	2
3	B238 5375	Harness - Paper Feed Unit	1
4	B082 2781	Bracket:Sensor	1
5	AW01 0122	Paper Feed Sensor	1
6	B238 2576	Supporting Plate	1
7	B223 2776	Stay	1
8	B238 2569	Transport Roller	1
9	AF03 2090	Paper Feed Roller:Separate	1
10	AA08 2143	Bushing - 6x10x6	4
11	B223 2786	Ground Plate - Front	1
12	AF03 0090	Paper Feed Roller:Pickup	1
13	AA10 0014	Retaining Ring C - Separate	2
14	B223 2829	Feed Guide	1
15	AF03 1090	Paper Feed Roller:Feed	1
16	AB01 1252	Gear - 20Z	1
17	AB01 1218	Gear - Roller Clutch	1
18	AA08 2101	Bushing - 6x10x6	1
19	B223 2765	Ground Plate - Feed	1
20	B223 2761	Pickup Arm	1
21	AA06 0691	Tension Spring	1
22	G065 2767	Lever - Feed	1
23	B223 2764	Gear-24z	1
24	B223 2762	Feed Shaft	1
25	5206 2686	Snap Ring	2
26	G065 2776	Release Lever	1
27	AA06 2259	Spring - Release	1
28	G065 2775	Link Lever	1
29	B223 2819	Gear - 22Z	1
30	B004 2783	Torque Limiter	1
31	B223 2815	Separate Drive Shaft	1
32	AB01 0156	Gear:Separate:Drive	1
33	AB01 0157	Gear:Separate:Driven	1
34	G065 2774	Pressure Lever	1

Index No.	Part No.	Description	Q'ty Per Assembly
35	AA06 0693	Tension Spring	1
36	B223 2810	Separate Driven Shaft	1
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0805 0089	Retaining Ring - M4	
104	0720 0040E	Retaining Ring - M4	
105	1105 0511	Harness Clamp - LWS-0306ZC	

12.Paper Registration 1 (B230/B237)

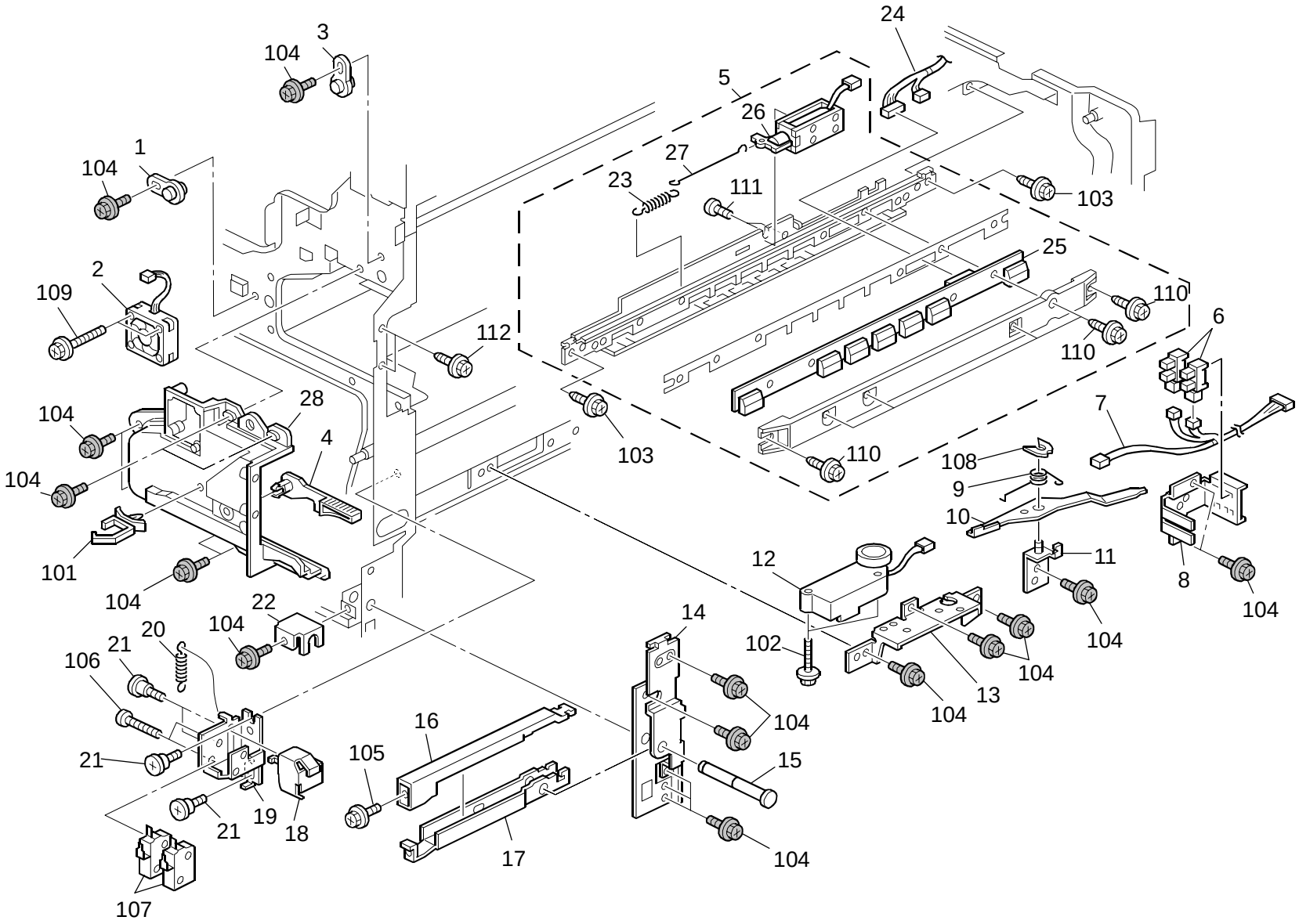


12.Paper Registration 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6311	Positioning Guide - Front	1
2	B223 6315	Cushion	1
3	B223 6312	Positioning Guide - Rear	1
4	B238 2676	Tension Spring	2
5	B238 2661	Registration Roller - Driven	1
6	B238 2675	Registration Roller Bushing	2
7	B238 2657	Gear - 18Z	1
8	B238 2652	Registration Roller - Drive	1
9	B223 2558	Registration Roller Knob	1
10	B238 2655	Gear - 16Z	1
11	AA08 2101	Bushing - 6x10x6	2
12	B238 2656	Gear - 30Z	1
13	B238 2670	Cleaner Bracket	1
14	B238 2621	Stay	1
15	AW01 0107	Paper Feed Sensor	1
16	B238 5391	Harness - Registration Sensor	1
17	B238 2640	Registration Guide Plate - Right	1
18	B238 2612	Registration Guide Plate - Left	1
19	B223 2835	Guide Plate	1
20	B223 2840	Guide Plate No.2	1
21	B238 2622	Cover - Remove Paper Dust	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0089	Retaining Ring - M4	
102	0805 0088	Retaining Ring - M6	
103	0454 3006Q	Tapping Screw - M3x6	
104	1105 0643	Clamp - RFC-14V0	
105	1105 0511	Harness Clamp - LWS-0306ZC	
106	0451 3006N	Tapping Screw - 3x6	
107	0454 3008Q	Tapping Screw:3x8	

13.Paper Registration 2 (B230/B237)

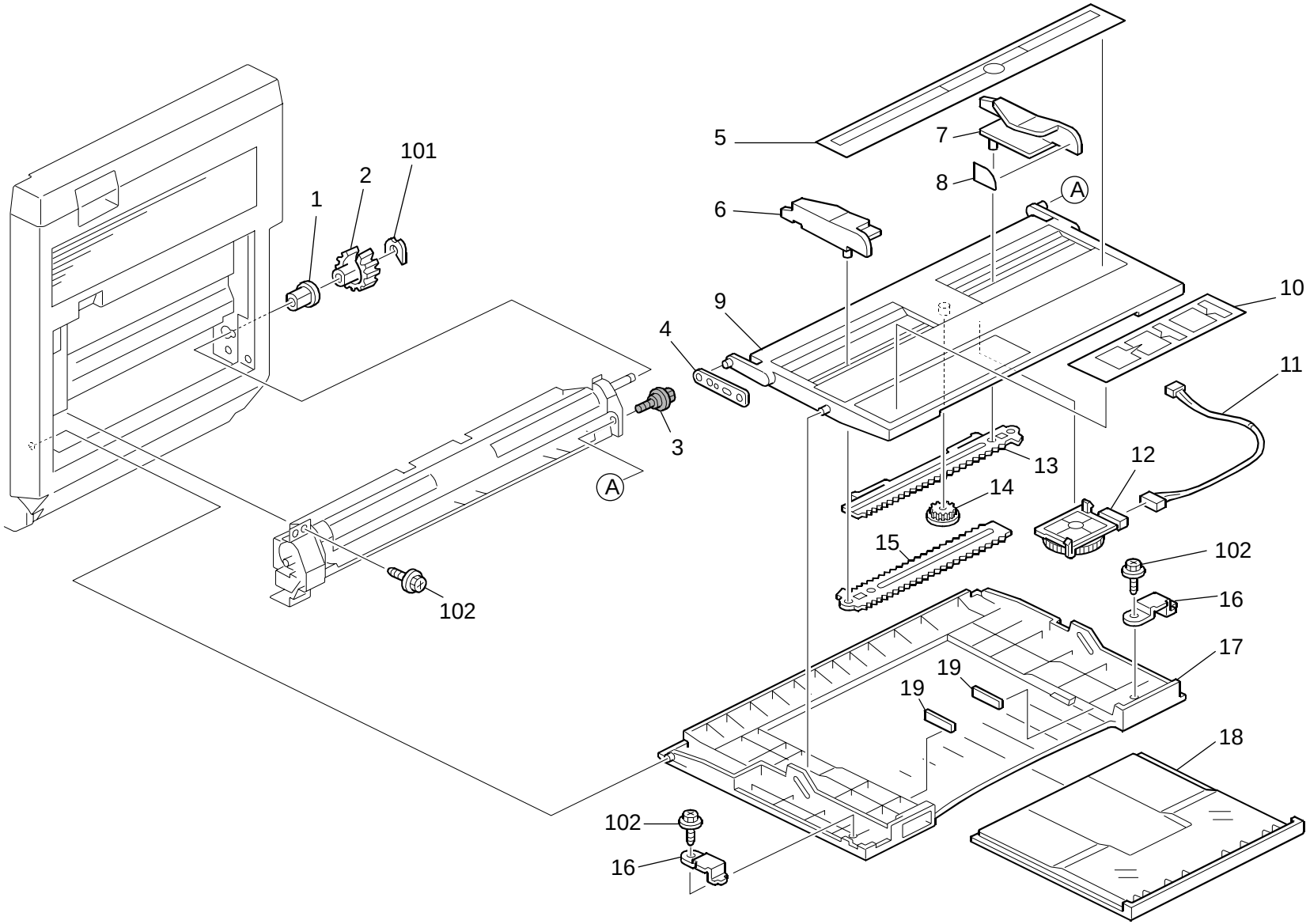


13.Paper Registration 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 1118	Lever - Front Left	1
2	GX64 0029	Fan:Mm40x15:Nidec:L	1
3	B238 1119	Lever - Front Upper	1
4	G052 4696	Right Fusing Lock Lever	1
5	B223 5876	Density Sensor:Ass'y	1
6	GW02 0020	Photointerruptor:Lg248nl1	2
7	B238 5310	Harness - IOB Image Unit Shutter	1
8	B223 1227	Sensor Shutter Bracket	1
9	B223 1224	Torsion Spring	1
10	B223 1225	Shutter Link	1
11	B223 1221	Sensor Link Bracket	1
12	B223 1213	DC Motor:Shutter:Ass'y	1
13	B223 1212	DC Motor Bracket	1
14	B238 1100	Grip Bracket - Right Front	1
15	B238 1106	Grip Shaft - Right Front	1
16	B238 1105	Grip Cover - Right Front	1
17	B238 1104	Grip - Right Front	1
18	B223 5814	Bracket - Safety Switch Lever	1
19	B223 5813	Safety Switch Bracket	1
20	AA06 3568	Pressure Spring	1
21	B223 1317	Screw	2
22	B238 1107	Grip Plate - Right Front	1
23	AA06 0151	Tension Spring	1
24	B238 5306	Harness - TM/P Sensor	1
25	B223 6395	Density Sensor	1
26	B238 5875	DC Solenoid DC24V	1
27	B238 5867	Hook:Solenoid:Sensor:TM	1
28	B238 1054	Guide Plate:Machine Or Copier:Fusin	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1105 0516	Clamp	
102	0451 3025N	Tapping Screw:M3x25	
103	0451 3006N	Tapping Screw - 3x6	
104	0454 3006Q	Tapping Screw - M3x6	
105	0451 4006N	Tapping Screw - 4x6	
106	0353 0250N	Screw:M3x25	
107	1204 2709	Switch - V-5F930DN	
108	0805 0088	Retaining Ring - M6	
109	0450 3025N	Tapping Screw:3x25	
110	0451 3008N	Tapping Screw - M3x8	
111	0312 5040N	Screw - M2.5X4	
112	0450 3010N	Tapping Screw - M3x10	

14.By-pass Feed Section 1 (B230/B237)

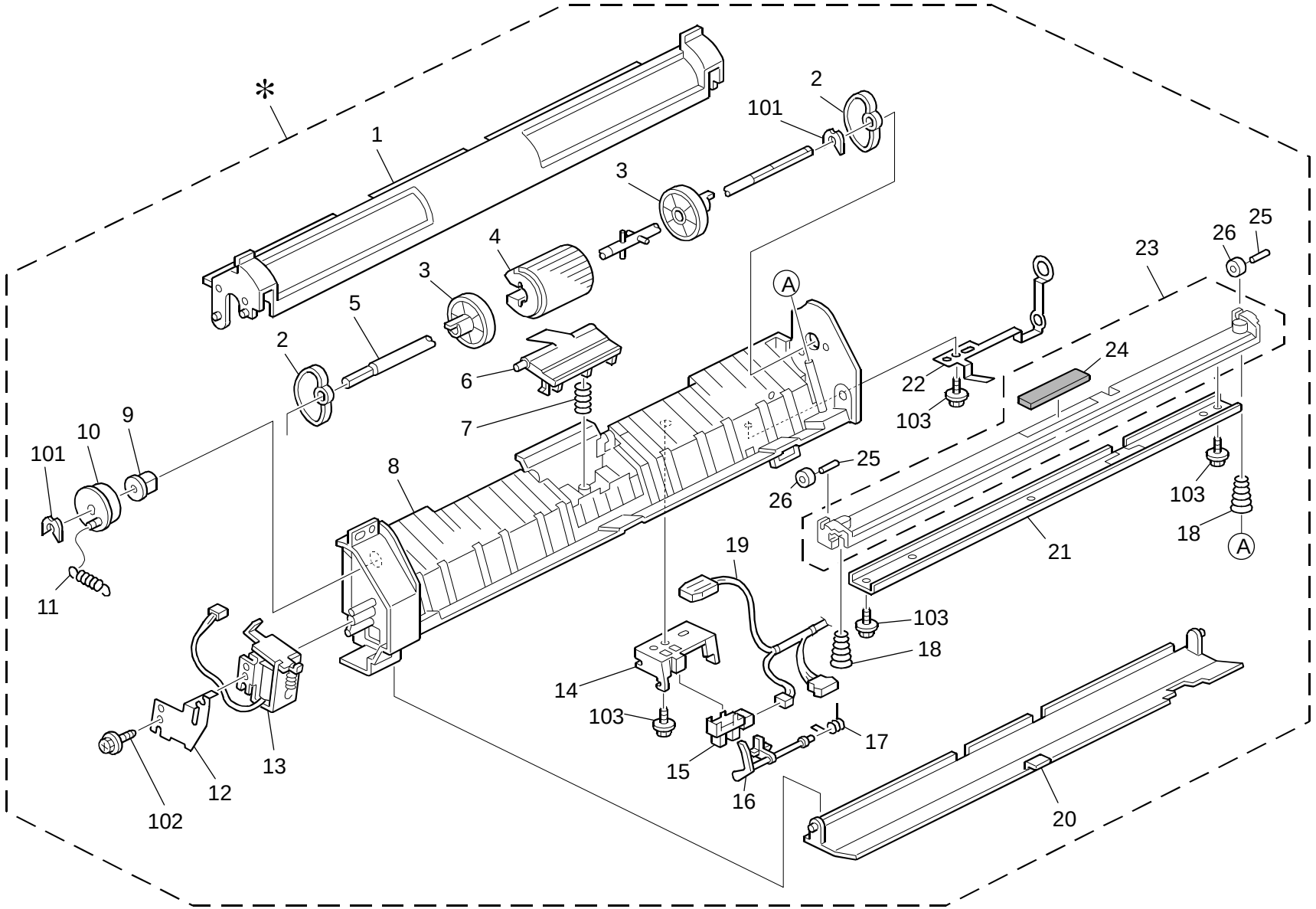


14.By-pass Feed Section 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B238 2710	Manual Feed Unit:Ass'y	1
1	AA08 2075	Bushing - M6	1
2	B238 2711	Gear - 30Z	1
3	AA14 3537	Screw:M3:Black	1
4	B238 2744	Arm:Manual Feed Table	1
5	B238 2751	Decal - Scale	1
6	B039 2631	Front Side Fence	1
7	B039 2632	Rear Side Fence	1
8	B238 2753	Decal - Side Fence	1
9	B238 2741	Manual Feed Table	1
10	B237 2752	Decal - Paper Set Direction	1
11	B238 5379	Harness - Manual Feed Table	1
12	AW50 0031	Paper Size Sensor	1
13	B039 2638	Rack - Rear Side Fence	1
14	G012 3050	Side Fence Gear	1
15	B039 2637	Rack - Front Side Fence	1
16	B238 2749	Magnet Catch Plate	2
17	B238 2746	Cover - Manual Feed Table	1
18	B238 2747	Extension Tray	1
19	B238 2748	Sheet:Damper	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0089	Retaining Ring - M4	
102	0450 3008N	Tapping Screw - M3x8	

15.By-pass Feed Section 2 (B230/B237)

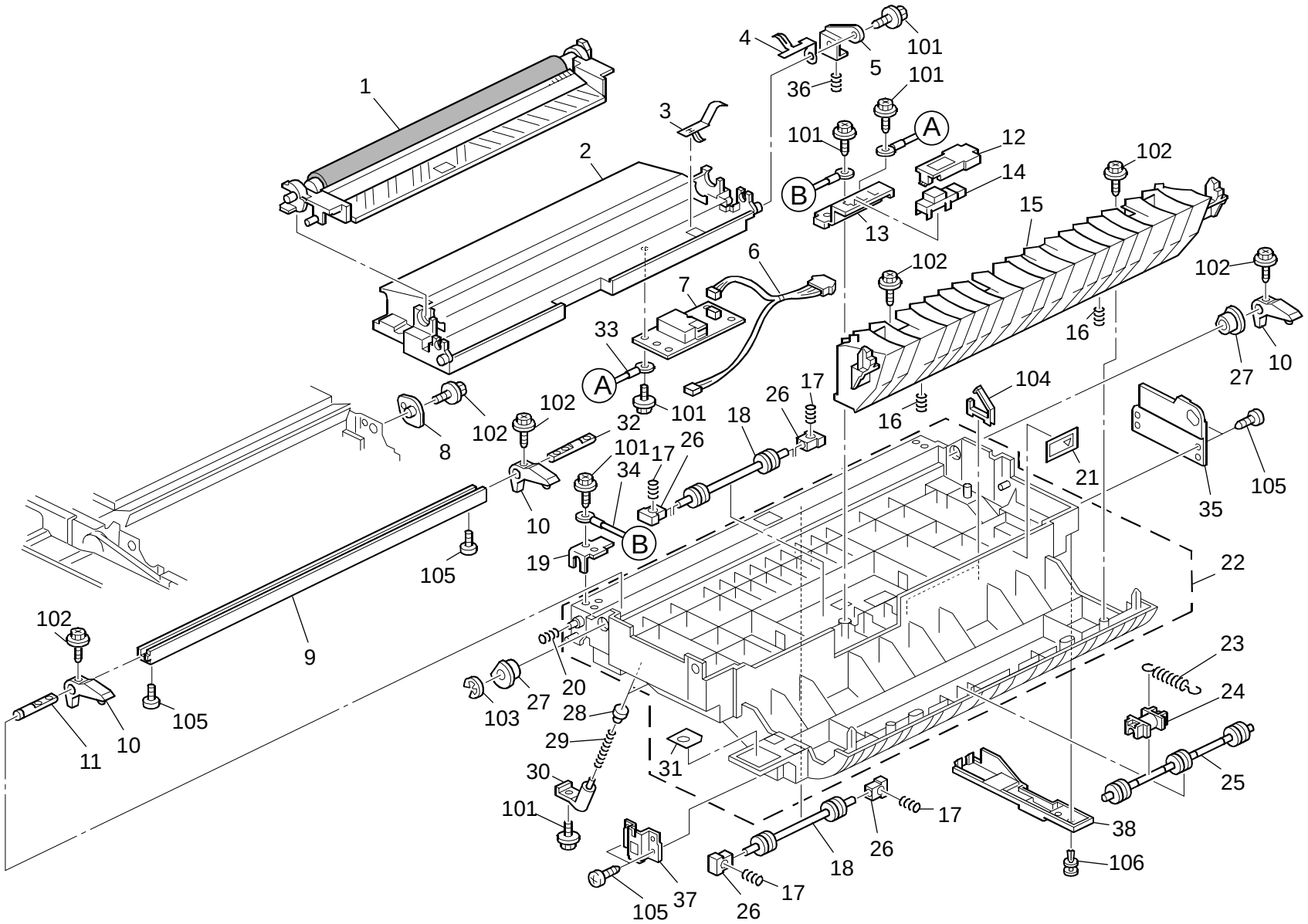


15.By-pass Feed Section 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 2731	Guide Plate - Upper	1
2	B238 2712	Cam - Manual Feed	2
3	B238 2726	Roller - Manual Feed	2
4	AF03 1068	Paper Feed Roller - Mm30	1
5	AA14 0868	Shaft - Manual Feed	1
6	B238 2727	Friction Pad	1
7	GA06 3063	Compression Spring:2n	1
8	B238 2715	Manual Feed Guide Plate - Lower	1
9	AA08 2058	Bushing - 6x10x9mm	1
10	B238 2713	Disc - Manual Feed	1
11	AA06 0993	Tension Spring - Disc Manual Feed	1
12	B238 2718	DC Solenoid Cover	1
13	AX11 0123	DC Solenoi 24V 9.6W	1
14	B238 2743	Holder - Paper End Sensor	1
15	AW02 0145	Photointerruptor:Flat	1
16	B238 2742	Feeler - Paper End Sensor	1
17	AA06 6367	Feeler Spring - Paper End Sensor	1
18	AA06 3436	Compression Spring - Manual Feed	2
19	B238 5378	Harness - Manual Feed Unit	1
20	B238 2724	Manual Feed Cover - Lower	1
21	B238 2722	Supporting Plate	1
22	B238 2723	Ground Plate	1
23	B238 2720	Manual Feed Guide Ass'y	1
24	5215 2713	Bottom Plate Pad	1
25	B238 2719	Pin	2
26	B238 2725	Roller - Tray Bottom Plate	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0089	Retaining Ring - M4	
102	0450 3010N	Tapping Screw - M3x10	
103	0450 3008N	Tapping Screw - M3x8	

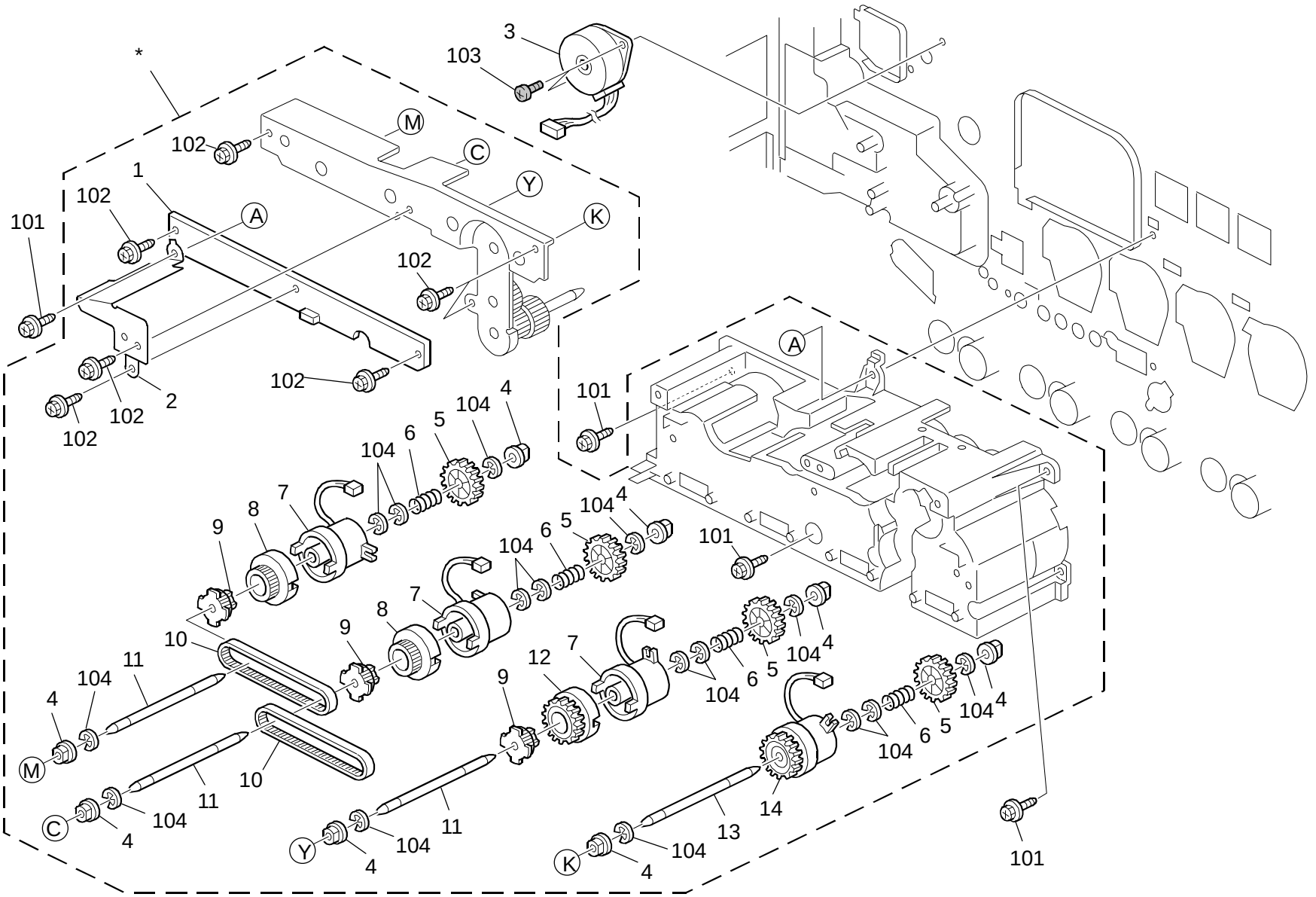
16.Paper Transfer Section (B230/B237)



16.Paper Transfer Section (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 6260	Transfer/separation Unit:At:Ass'y	1
2	B223 6281	Transfer Roller Case	1
3	B223 6289	Terminal	1
4	B223 6285	Transfer Roller Terminal	1
5	B223 6287	Tab	1
6	B223 4561	Harness - Second Transfer Unit	1
7	AZ30 0056	Power Pack D	1
8	B238 4658	Contact Point Bracket	1
9	B223 6320	Lever Bracket - Middle	1
10	B223 6306	Release Lever	3
11	B223 6322	Lever Shaft - Front	1
12	B238 4739	Cover - Entrance Sensor	1
13	B238 4733	Entrance Sensor Bracket	1
14	AW01 0118	Paper Feed Sensor	1
15	B238 4664	Guide Plate - Left Upper	1
16	B238 4732	Compression Spring	2
17	B238 4731	Compression Spring	4
18	G060 2641	Transport Driven Roller - Middle	2
19	B238 4738	Ground Plate	1
20	B238 4735	Compression Spring	1
21	B238 4740	Cover - Harness	1
22	B238 4728	Duplex Guide Plate	1
23	AA06 2306	Pressure Spring	1
24	AA08 0312	Bushing - 5mm	1
25	AF02 2137	Driven Transport Roller	1
26	AA08 0313	Driven Roller Bushing	4
27	AA08 2145	Bushing - 8x12x7	2
28	B223 6319	Spring Cap	2
29	B223 6308	Transfer Spring	2
30	B223 6321	Spring Anchor	2
31	B238 4729	Decal - Grip (Z)	1
32	B223 6323	Lever Shaft - Rear	1
33	B223 6317	Ground Wire - Power Pack	1
34	B238 5393	Harness - Ground Wire	1
35	B223 6290	Drum Stay - Rear	1
36	B238 4736	Compression Spring - Earth Hvpp	1
37	B238 4737	Guide Plate	1
101	0450 3008N	Tapping Screw - M3x8	
102	0451 3006N	Tapping Screw - 3x6	
103	0720 0060E	Retaining Ring - M6	
104	1105 0551	Clamp:Les-0505	
105	0452 3008N	Tapping Screw - M3x8	
106	B238 2524	Decal - Paper Size	

17.Toner Hopper 1 (B230/B237)

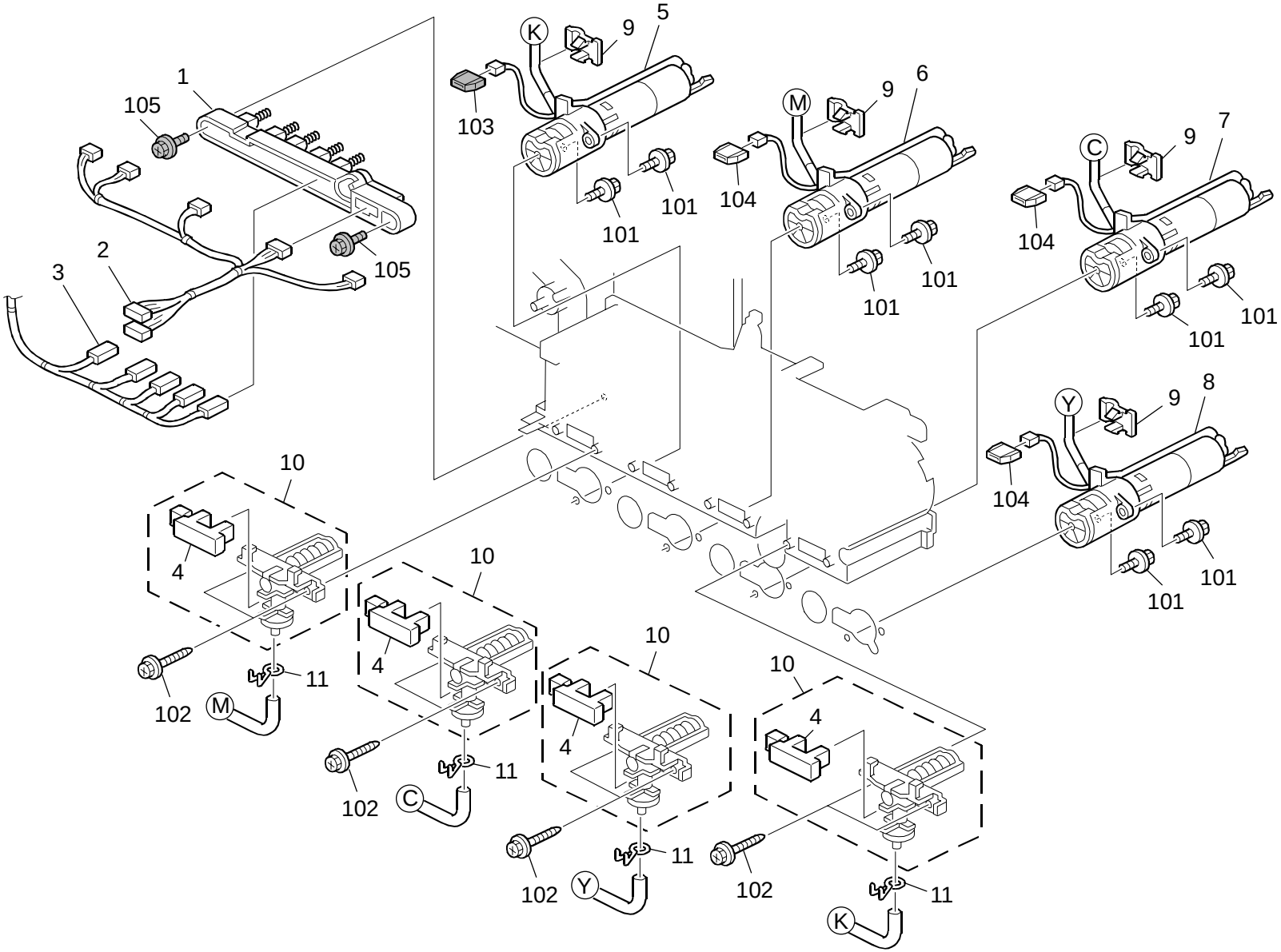


17.Toner Hopper 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 3400	Toner Supply Drive Unit	1
1	B238 5050	PCB RFID	1
2	B223 3470	Rfid Ground Plate	1
3	AX05 0265	Stepper Motor DC24V	1
4	AA08 2101	Bushing - 6x10x6	8
5	B223 3463	Gear:Toner Bottle:Drive	4
6	B223 3428	Spring:Drive Unit:Toner Bottle	4
7	B223 3457	Magnetic Clutch - 0.25n.m YCM	3
8	B223 3462	Pulley:Toner Bottle:CM	2
9	B223 3461	Pulley:Toner Bottle:YC	3
10	B223 3441	Timing Belt:Toner Bottle	2
11	B223 3426	Shaft:Drive:Drive Unit:CM	2
12	B223 3464	Gear:Magnetic Clutch:Y	1
13	B223 3424	Shaft:Drive:Drive Unit:BKY	1
14	B223 3455	Magnetic Clutch - 0.25n.m BK	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3012N	Tapping Screw:3x12	
103	0802 5305	Tapping Screw - M3x6	
104	0720 0040E	Retaining Ring - M4	

18.Toner Hopper 2 (B230/B237)

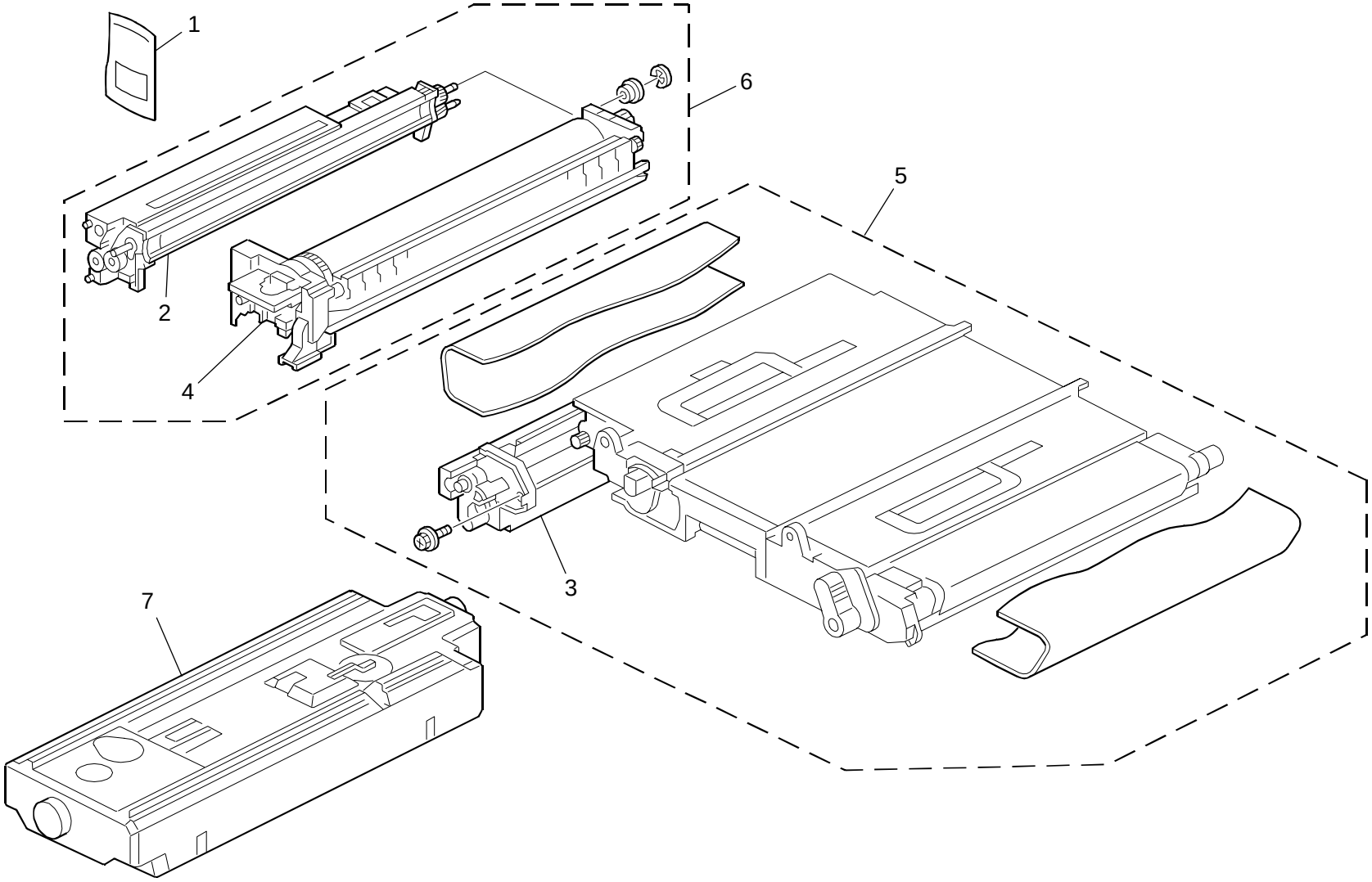


18.Toner Hopper 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6140	Drawer:Intermediate Transfer:Ass'y	1
2	B238 5309	Harness - Toner Supply	1
3	B238 5387	Harness - High Voltage Line T TS	1
4	AW02 0185	Toner End Sensor	4
5	B223 3201	Pump Unit - BK	1
6	B223 3204	Pump Unit - M	1
7	B223 3203	Pump Unit - C	1
8	B223 3202	Pump Unit - Y	1
9	B223 3206	Tube Clamp	4
10	B223 3205	Nozzle Ass'y	4
11	B223 3209	Tube Clip	4

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3012N	Tapping Screw:3x12	
103	1102 6259	Connector - 2P	
104	1102 6245	Relay Connector - 2P	
105	0454 3006Q	Tapping Screw - M3x6	

19.PCU/Transfer Unit (B230B237)

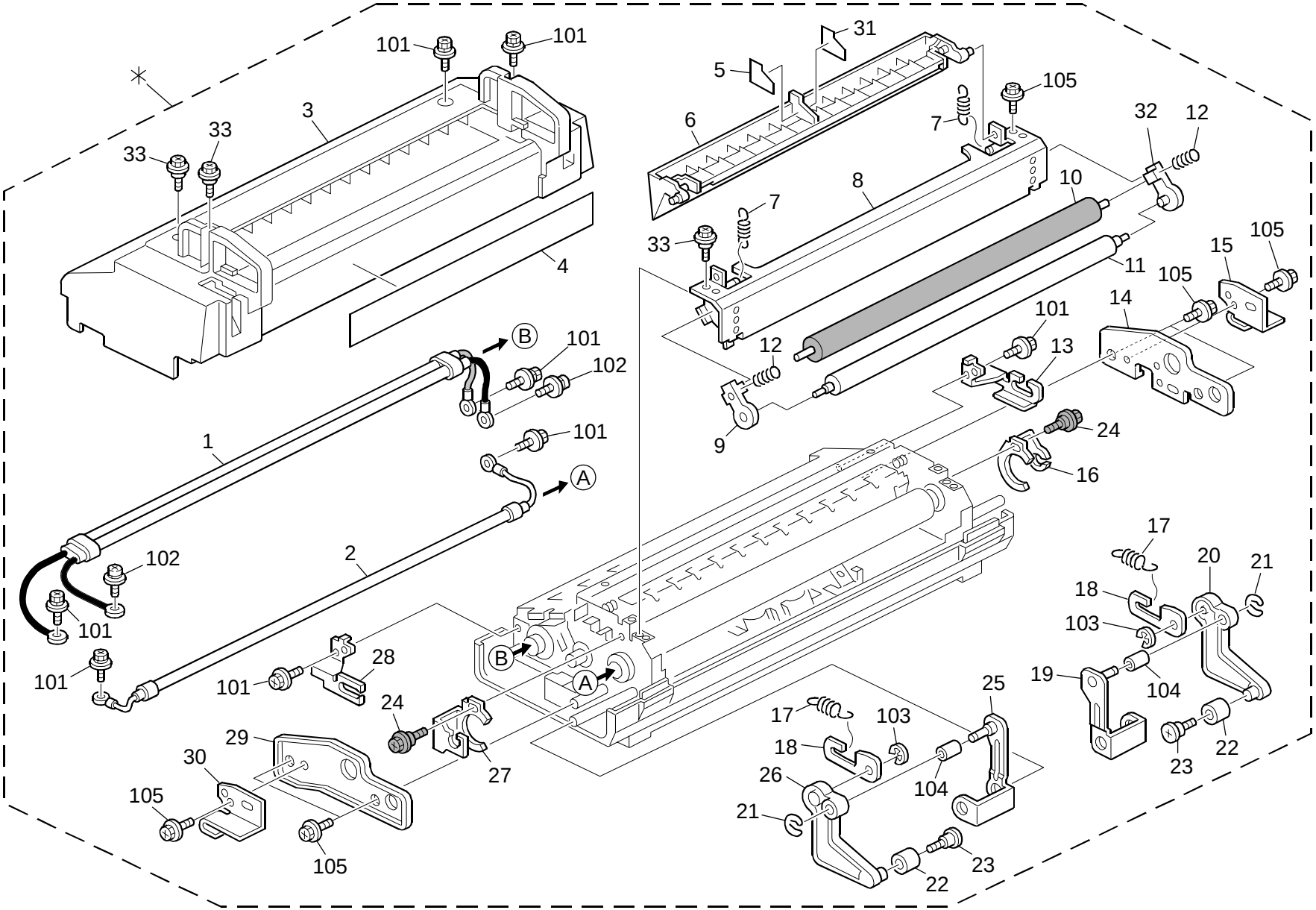


19.PCU/Transfer Unit (B230B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B230 9640	Developer:BK	1
1	B230 9660	Developer:C	1
1	B230 9670	Developer:M	1
1	B230 9680	Developer:Y	1
2	B223 3013	Development Unit:BK	1
2	B223 3023	Development Unit:M	1
2	B223 3033	Development Unit:C	1
2	B223 3043	Development Unit:Y	1
3	B223 6023	Cleaning Unit	1
4	B223 2244	Drum Unit:BK	1
4	B223 2245	Drum Unit:M	1
4	B223 2246	Drum Unit:C	1
4	B223 2247	Drum Unit:Y	1
5	B223 6020	Image Transfer Unit	1
6	B223 2204	PCU:BK	1
6	B223 2205	PCU:C	1
6	B223 2206	PCU:M	1
6	B223 2207	PCU:Y	1
7	B223 6510	Toner Collection Bottle	1

Index No.	Part No.	Description	Q'ty Per Assembly

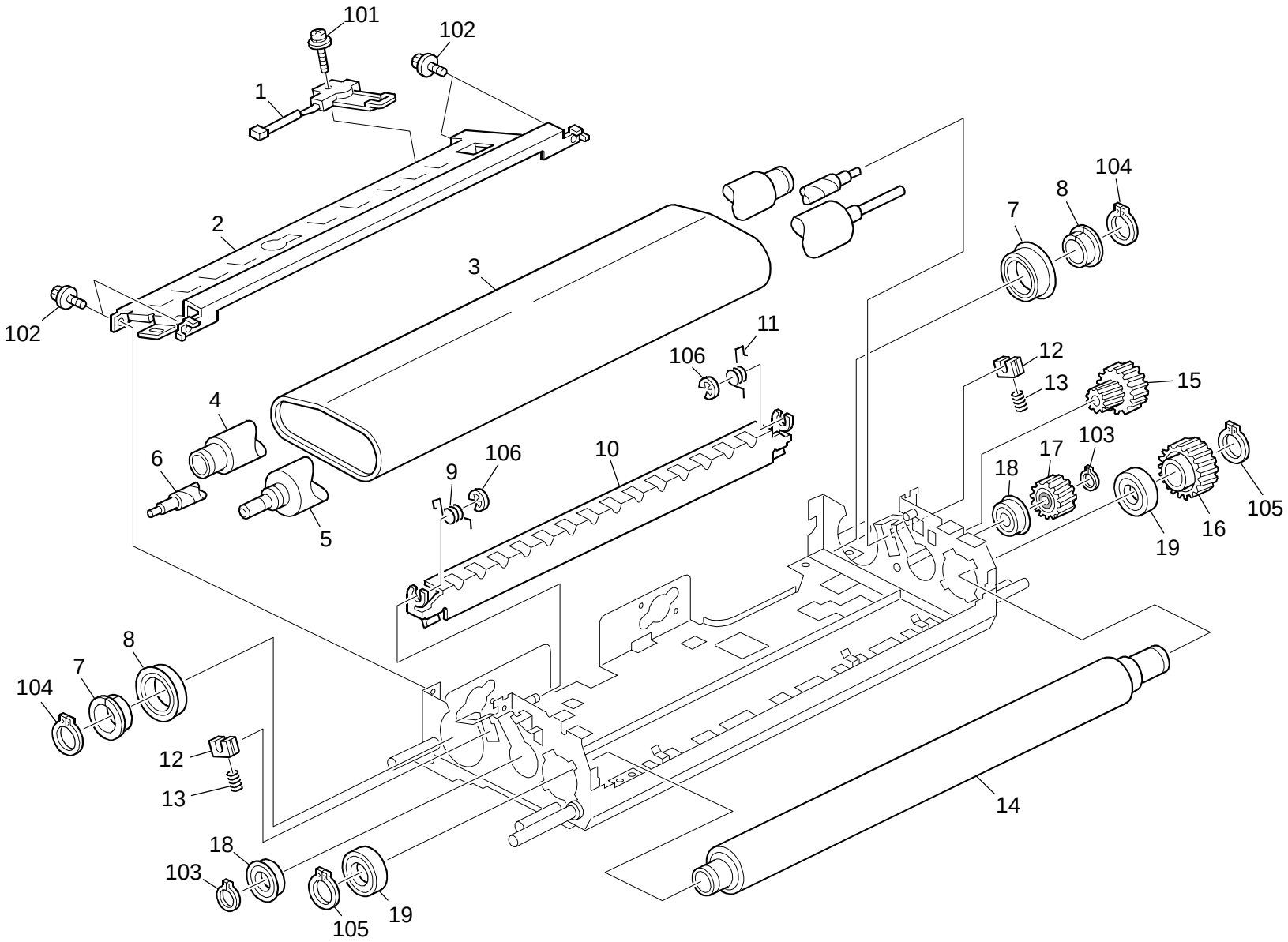
20.Fusing Unit 1 (B230/B237)



20.Fusing Unit 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B237 4053	Fusing Unit:NA:Maintenance	1
*	B237 4054	Fusing Unit:EU:Maintenance	1
1	AX44 0255	Heater - 213V 700W/500W	1
1	AX44 0265	Heater:107V:700W/500W	1
2	AX43 0174	Heater - 213V 250W	1
2	AX43 0184	Heater:107V:250W	1
3	B238 4331	Fusing Cover:Upper	1
4	B238 4335	Decal:Warning (High Temperature):FU	1
5	B238 4285	Sheet:B2:Lever:Face Front	1
6	B238 4281	Guide Plate:Fusing Exit	1
7	AA06 0989	Spring:Fusing Exit:Pressure	2
8	B238 4211	Stay:Fusing:Right:Peen	1
9	AE03 1061	Front Bushing - Oil Supply Roller	1
10	AE04 0065	Oil Supply Roller	1
11	AE04 0066	Cleaning Roller - Oil Supply Roller	1
12	AA06 3953	Compression Spring:Oil Supply Rolle	2
13	B238 4232	Bracket:Heater:Fusing:Rear	1
14	B238 4254	Bracket:Frame:Rear:Peen	1
15	B238 4257	Positioning Plate:Rear	1
16	B238 4243	Bracket:Heater:Pressure:Rear	1
17	AA06 0990	Spring:Pressure:50n	2
18	B238 4197	Lever:Lock:Pressure	2
19	B238 4195	Lever:Pressure:Rear:Peen	1
20	B238 4191	Lever:Pressure Release:Rear	1
21	B238 4166	End Ring:Spring:Dia4	2
22	B238 4194	Roller:Lever:Pressure	2
23	AA14 3792	Screw:Drawer	2
24	B238 4483	Screw	2
25	B238 4175	Lever:Pressure:Front:Peen	1
26	B238 4171	Lever:Pressure Release:Front	1
27	B238 4241	Bracket:Heater:Pressure:Front	1
28	B238 4231	Bracket:Heater:Fusing:Front	1
29	B238 4252	Bracket:Frame:Front	1
30	B238 4253	Positioning Plate:Front	1
31	B238 4286	Sheet:B2:Lever:Behind	1
32	AE03 1062	Rear Bushing - Oil Supply Roller	1
33	AA14 3520	Shoulder Screw - M3	3
101	0804 6123	Hexagonal Bolt:W/Washer:M3x8	
102	0954 4008N	Screw - M4X8	
103	0720 0030E	Retaining Ring - M3	
104	0733 0408	Bushing:4x8	
105	0360 3006N	Screw - M3X6	

21.Fusing Unit 2 (B230/B237)

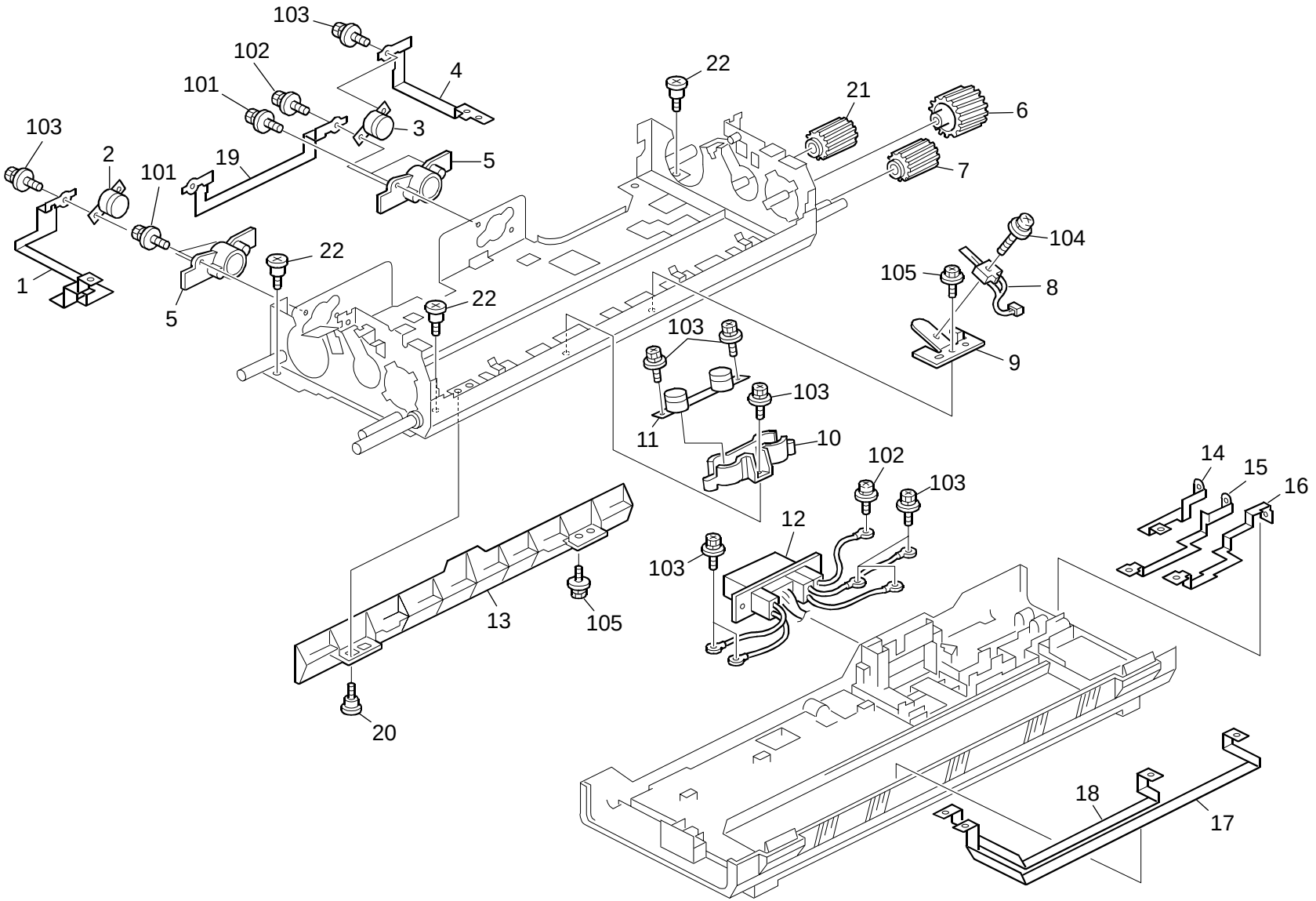


21.Fusing Unit 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AW10 0105	Thermistor:Fusing	1
2	B238 4202	Stay:Fusing:Upper	1
3	B238 4070	Fusing Belt	1
4	AE02 0156	Pressure Roller	1
5	AE01 0054	Hot Roller	1
6	AE04 0064	Belt Tension Roller	1
7	AE03 2030	Bushing - 20x25	2
8	AE03 0066	Ball Bearing:Mm25xmm32x7	2
9	AA06 6667	Spring:Stripper Plate:Front	1
10	B238 4291	Stripper Plate:Coat	1
11	AA06 6668	Spring:Stripper Plate:Rear	1
12	AE03 1045	Bushing - Belt Tension Roller	2
13	AA06 3952	Compression Spring:Belt Tensioner	2
14	AE01 2030	Heat Roller:Dia25:Coat	1
15	AB01 3890	Gear:Idler:Z14xz23	1
16	AB01 4278	Gear:Idler:Drive	1
17	AB01 3722	Gear:Hot Roller:Roller Clutch:Z22	1
18	AE03 0065	Ball Bearing:Dia12xdia21x7	2
19	AE03 0068	Ball Bearing:Dia17xdia26x5	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0954 3010N	Screw:Polished Round/spring:M3x10	
102	0360 3006N	Screw - M3X6	
103	0727 0080E	Retaining Ring - M8	
104	0725 0120E	Retaining Ring C - M12	
105	0725 0170E	Retaining Ring C - M17	
106	0720 0040E	Retaining Ring - M4	

22.Fusing Unit 3 (B230/B237)

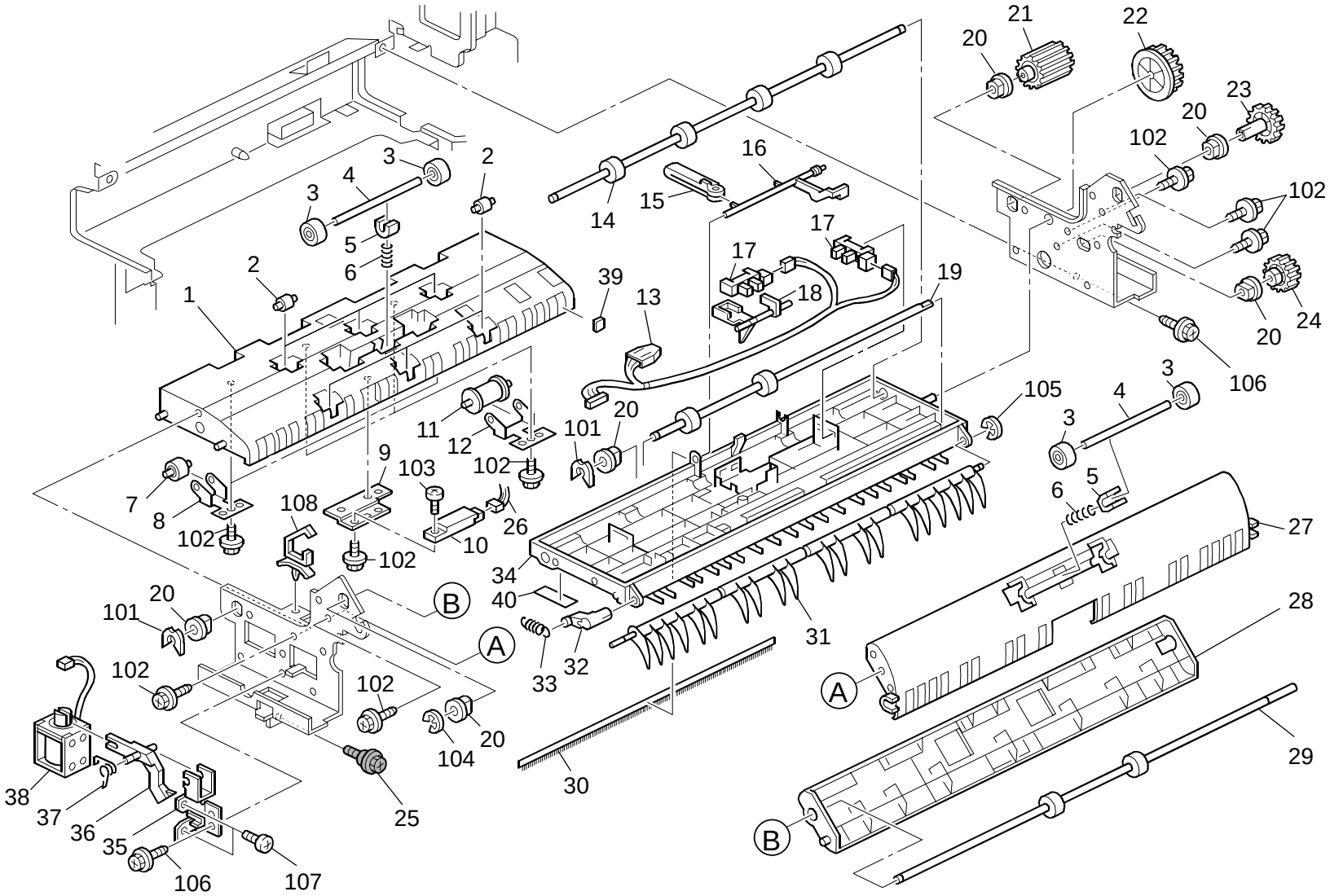


22.Fusing Unit 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 4315	Electrode Plate:Fusing:Common	1
2	AW11 0059	Thermostat:190°c	1
3	AW11 0058	Thermostat:177°c	1
4	B238 4313	Electrode Plate:Thermostat	1
5	B238 4123	Thermostat Housing	2
6	GB01 0007	Gear:Idler:Fusing Unit	1
7	AB01 3861	Gear:Idler:Z14	1
8	AW10 0104	Thermistor	1
9	B238 4111	Thermistor Bracket	1
10	B238 4134	Thermostat Housing	1
11	AW11 0055	Thermostat - 146c/147c	1
12	B237 4307	Harness:Fusing Unit:TWN	1
12	B237 4305	Harness:Fusing Unit:EU	1
13	B238 4271	Fusing Entrance Guide Plate	1
14	B238 4311	Electrode Plate:Fusing:Main	1
15	B238 4312	Electrode Plate:Fusing:Sub	1
16	B238 4316	Electrode Plate:Pressure	1
17	B238 4318	Electrode Plate:Pressure:Thermostat	1
18	B238 4319	Electrode Plate:Pressure:Common	1
19	B238 4314	Electrode Plate:Thermostat:Connecti	1
20	AA14 3870	Stepped Screw	1
21	GB01 0011	Gear:Idler:Z16	1
22	5894 2540	Arm Screw	3

Index No.	Part No.	Description	Q'ty Per Assembly
101	0954 4012N	Screw:Polished Round/spring:M4x12	
102	0954 4008N	Screw - M4X8	
103	0804 6123	Hexagonal Bolt:W/Washer:M3x8	
104	0954 3010N	Screw:Polished Round/spring:M3x10	
105	0360 3006N	Screw - M3X6	

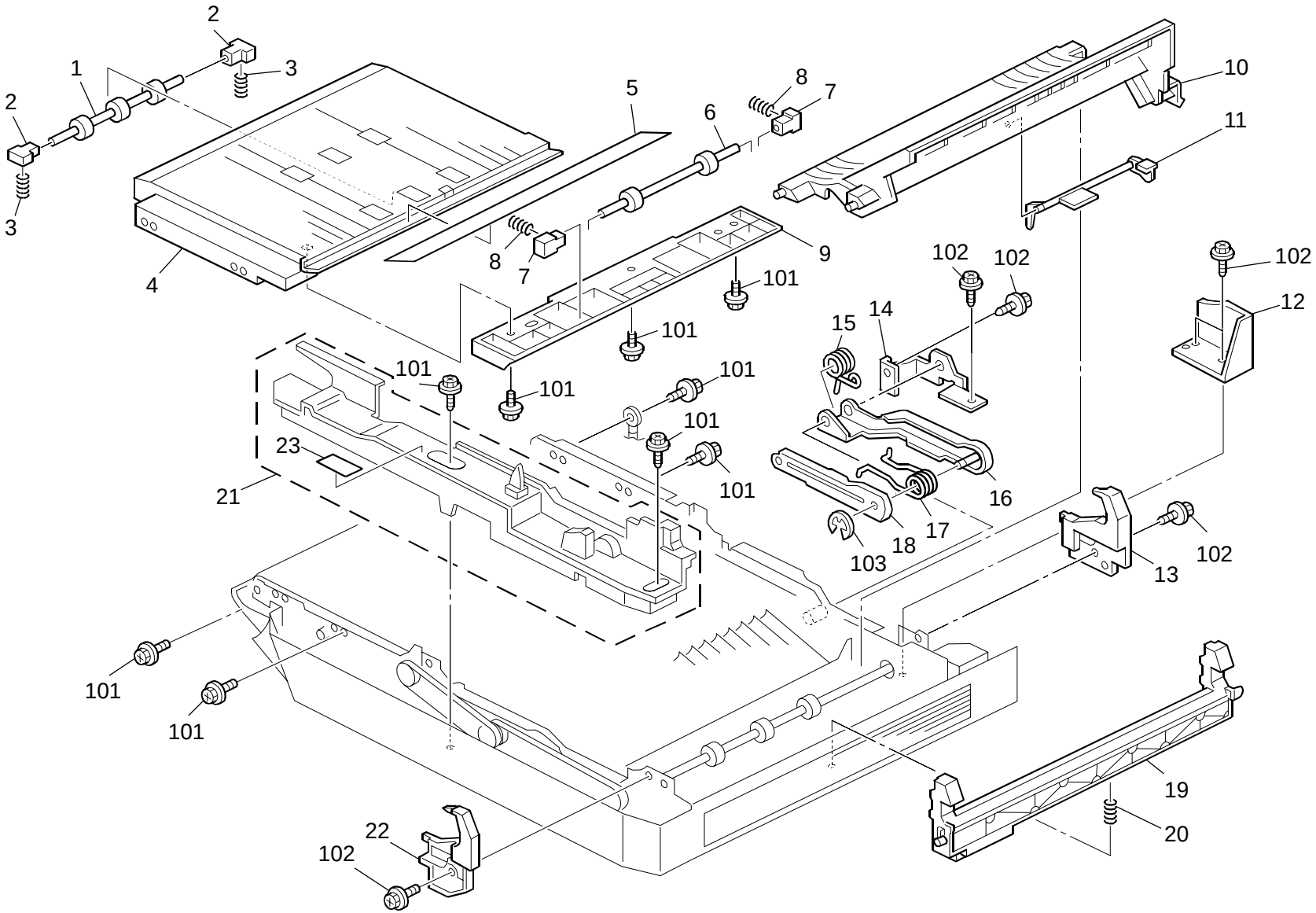
23.Paper Exit (B230/B237)



23.Paper Exit (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 4431	Exit Guide Plate - Lower	1
2	AF04 0571	Guide Roller	6
3	B223 4433	Roller - Dia16	4
4	B223 4432	Pressure Shaft	2
5	AA08 0156	Bushing - M4	2
6	B238 4458	Compression Spring - Driven Roller	2
7	AF04 0567	Tension Roller	2
8	B238 4436	Spring Plate - Exit Roller Outer	2
9	B238 4454	Sensor Bracket	1
10	AW01 0127	Paper Feed Sensor	1
11	AF04 0566	Tension Roller	2
12	B223 4436	Spring Plate - Exit Roller	2
13	B238 5390	Harness - Exit	1
14	B238 4441	Exit Roller	1
15	B238 4987	Overflow Feeler	1
16	B238 4985	Overflow Feeler Shaft	1
17	AW02 0145	Photointerruptor:Flat	2
18	B238 4449	Paper Feed Sensor Feeler	1
19	B238 4442	Transport Roller	1
20	AA08 2101	Bushing - 6x10x6	5
21	B238 4444	Gear - 28Z	1
22	B238 4445	Gear - 45Z	1
23	B238 4915	Gear - 28Z	1
24	B238 4446	Gear - 28Z	1
25	B238 4483	Screw	1
26	B238 5389	Harness - Fusing Exit Sensor	1
27	B238 4922	Reverse Guide Plate - Lower	1
28	B238 4912	Reverse Guide Plate - Upper	1
29	B238 4911	Reverse Roller	1
30	B223 4491	Discharge Brush:Exit	1
31	B238 4472	Gate Pawl	1
32	B238 4476	Gate Pawl Lever	1
33	B238 4475	Spring - Gate Pawl Lever	1
34	B238 4443	Exit Guide Plate - Upper	1
35	B238 4473	DC Solenoid Bracket	1
36	B238 4479	Lever - DC Solenoid Gate Pawl	1
37	B238 4477	Spring - DC Solenoid Gate Pawl	1
38	B482 3817	DC Solenoid:24V:4.0n:Ass'y	1
39	B238 4438	Buffer:Gate Pawl	1
40	B238 4447	Guide:Exit Roller:Auxiliary	1
101	0805 0089	Retaining Ring - M4	
102	0450 3010N	Tapping Screw - M3x10	
103	0353 0100N	Screw-m3x10	
104	0720 0040E	Retaining Ring - M4	
105	0720 0025E	Retaining Ring - M2.5	
106	0451 3006N	Tapping Screw - 3x6	
107	0353 0040N	Screw - M3X4	
108	1105 0516	Clamp	

24.Duplex Unit 1 (B230/B237)

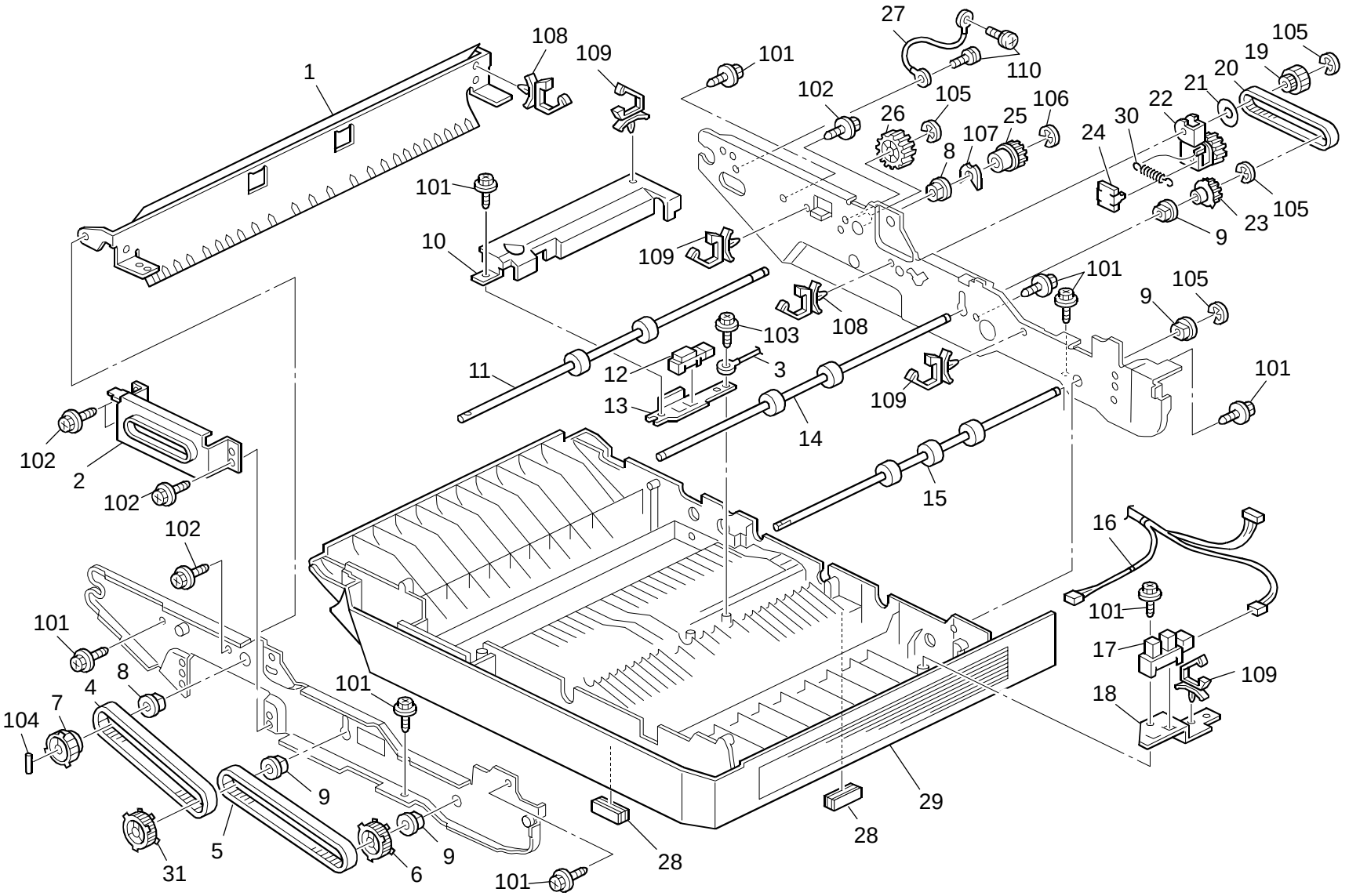


24.Duplex Unit 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AF02 0646	Vertical Transport Roller	2
2	G060 2652	Bushing - M4	4
3	B223 2676	Spring - 11n	4
4	B223 2675	Guide Plate - Vertical Transport	1
5	B223 2677	Sheet - Transport Sub-unit	1
6	AF02 0622	Roller:Driven - Dia16	1
7	AA08 0313	Driven Roller Bushing	2
8	AA06 3437	Compression Spring	2
9	B238 2761	Guide Plate	1
10	B238 4643	Duplex Guide Plate - Right Upper	1
11	B238 4645	Entrance Sensor	1
12	B238 4647	Set Sensor Lever	1
13	B238 4683	Pressure Release Arm - Rear	1
14	B238 4686	Arm Stopper Bracket	1
15	B238 4688	Torsion Spring	1
16	B238 4677	Stopper Arm	1
17	B238 4687	Torsion Spring	1
18	B238 4679	Stopper Link	1
19	B238 4633	Lever - Duplex	1
20	B238 4635	Compression Spring - Lever Duplex	1
21	B238 4646	Inner Cover:Duplex:Adhesion	1
22	B238 4682	Pressure Release Arm - Front	1
23	B238 4649	Decal:Warning (High Temperature):DU	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	0451 3006N	Tapping Screw - 3x6	
103	0720 0060E	Retaining Ring - M6	

25.Duplex Unit 2 (B230/B237)

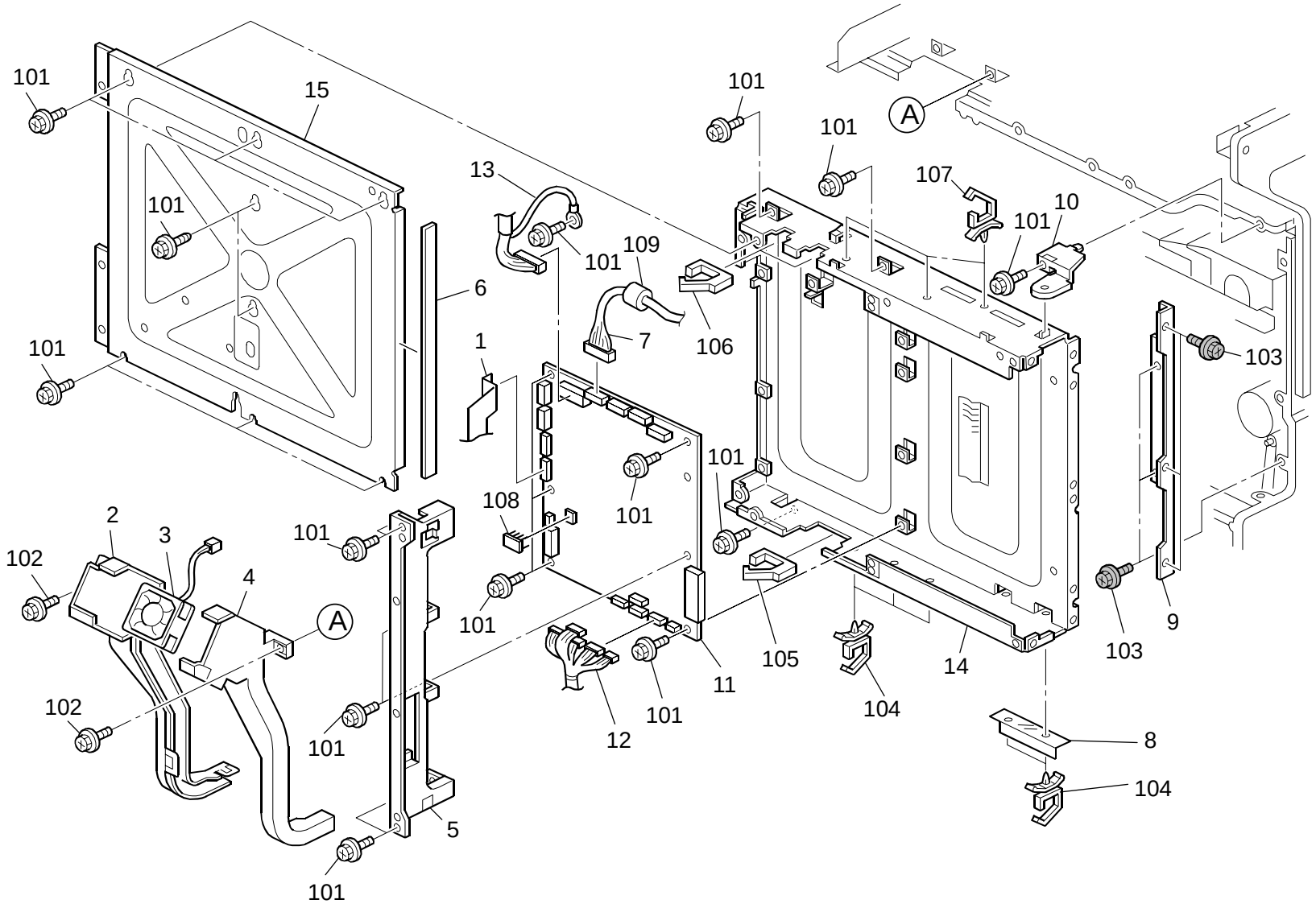


25.Duplex Unit 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 4637	Exit Guide Plate	1
2	B238 4628	Supporting Plate:Duplex	1
3	B238 5392	Harness - Ground Wire	1
4	B238 4716	Timing Belt - 30S2M340	1
5	B238 4715	Timing Belt - 30S2M360	1
6	B238 4704	Pulley - 28T	1
7	B238 4706	Pulley - 40T	1
8	AA08 2104	Bushing - 8x12x7	2
9	AA08 2101	Bushing - 6x10x6	4
10	B238 4653	Exit Sensor Case	1
11	B238 4713	Transport Roller - Duplex:Exit	1
12	AW01 0107	Paper Feed Sensor	1
13	B238 4654	Exit Sensor Bracket	1
14	B238 4712	Transport Roller - Middle	1
15	B238 4711	Transport Roller - Entrance	1
16	B238 5376	Harness - Duplex Unit	1
17	AW02 0145	Photointerruptor:Flat	1
18	B238 4650	Entrance Sensor Bracket	1
19	B238 4703	Gear Pulley - 25Z/25T	1
20	B238 4714	Timing Belt - 30S2M206	1
21	C408 1119	Timing Pulley - 24T	1
22	B238 4700	Coupling Arm	1
23	B238 4710	Pulley - 40T	1
24	B238 4708	Spacer	1
25	B238 4707	Gear - 16Z	1
26	G569 2822	Gear - Z30	1
27	B238 5377	Harness - Ground Wire	1
28	AG07 0514	Magnet Catch	2
29	B238 4610	Cover - Duplex	1
30	B238 4717	Tension Spring:Arm:Coupling	1
31	B238 4705	Pulley - 40T	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	0451 3006N	Tapping Screw - 3x6	
103	0450 3010N	Tapping Screw - M3x10	
104	0633 0120G	Parallel Pin - 3x12	
105	0720 0040E	Retaining Ring - M4	
106	0720 0060E	Retaining Ring - M6	
107	0805 0088	Retaining Ring - M6	
108	1105 0534	Clamp	
109	1105 0511	Harness Clamp - LWS-0306ZC	
110	0801 0149	Philips Pan Head Screw - M4x6	

26.Electrical Section 1 (B230/B237)

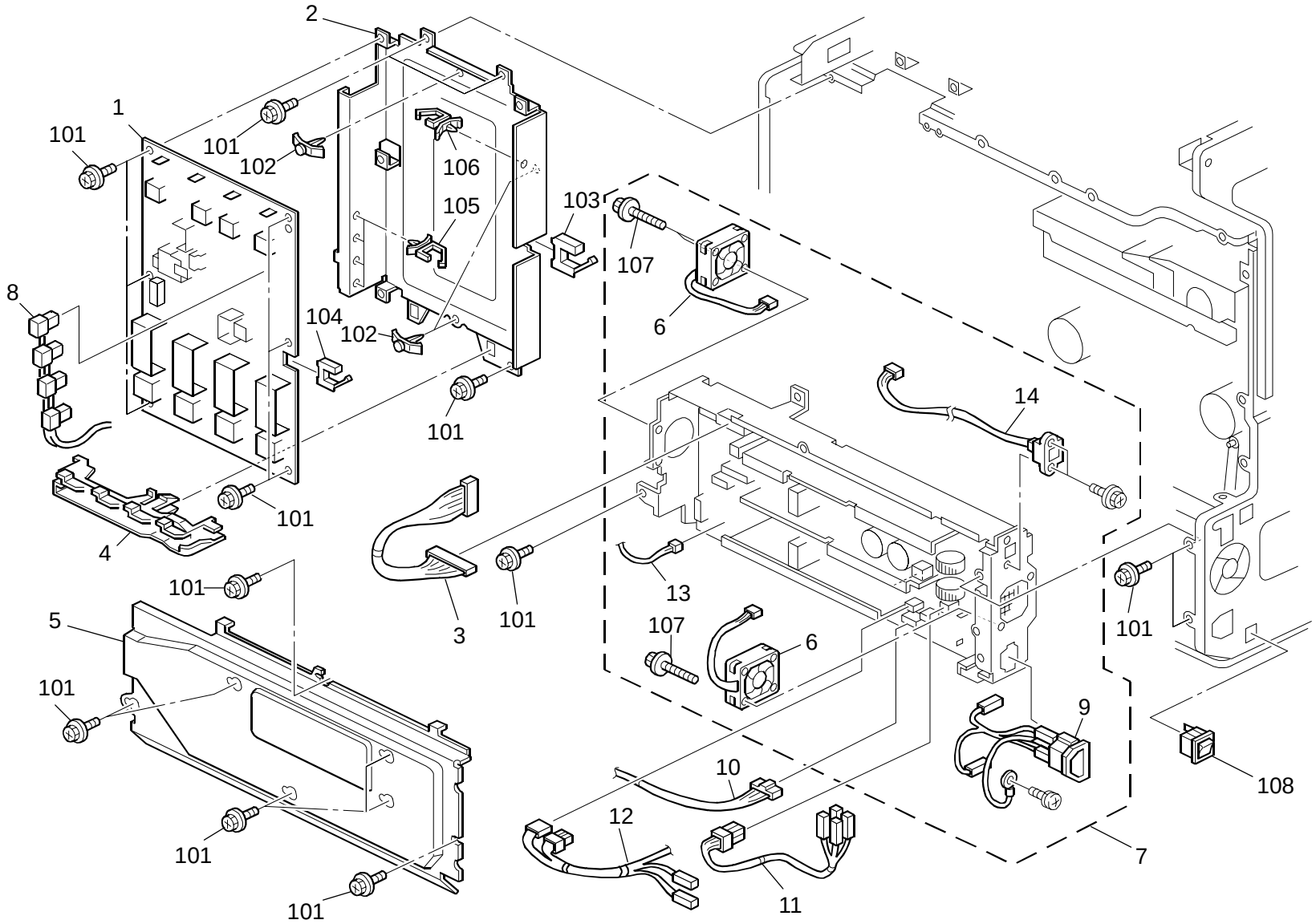


26.Electrical Section 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 5304	Harness - IOB BICU	1
2	B238 1136	Duct - Tube 1	1
3	AX64 0170	Fan Motor - Mm60 DC24V	1
4	B238 1137	Duct - Tube 2	1
5	B238 5853	Mother Board Bracket	1
6	B238 5855	Gasket	1
7	B238 5373	Harness - Operation Panel	1
8	B238 5856	Harness Sheet	1
9	B238 1084	Application Rack Bracket	1
10	B238 5859	Hinge Bracket - Upper	1
11	B238 5100	PCB:BICU:AT-C1:Ass'y	1
12	B238 5328	Harness - BICU Imaging Unit	1
13	B238 5345	Scanner Interface Cable	1
14	B238 5851	Base:Rack:Application:Peen	1
15	B238 5854	Cover:Rack:Application:Ass'y	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0360 3006N	Screw - M3X6	
103	0454 3006Q	Tapping Screw - M3x6	
104	1105 0508	Harness Clamp - LWS-0711	
105	1105 0521	Clamp - LES-1017	
106	1105 0518	Edge Saddle - LES-1010	
107	1105 0516	Clamp	
108	1407 6362	EEPROM:BR24l64-W	
109	1607 1663	Ferrite Core:RFC-4	

27.Electrical Section 2 (B230/B237)

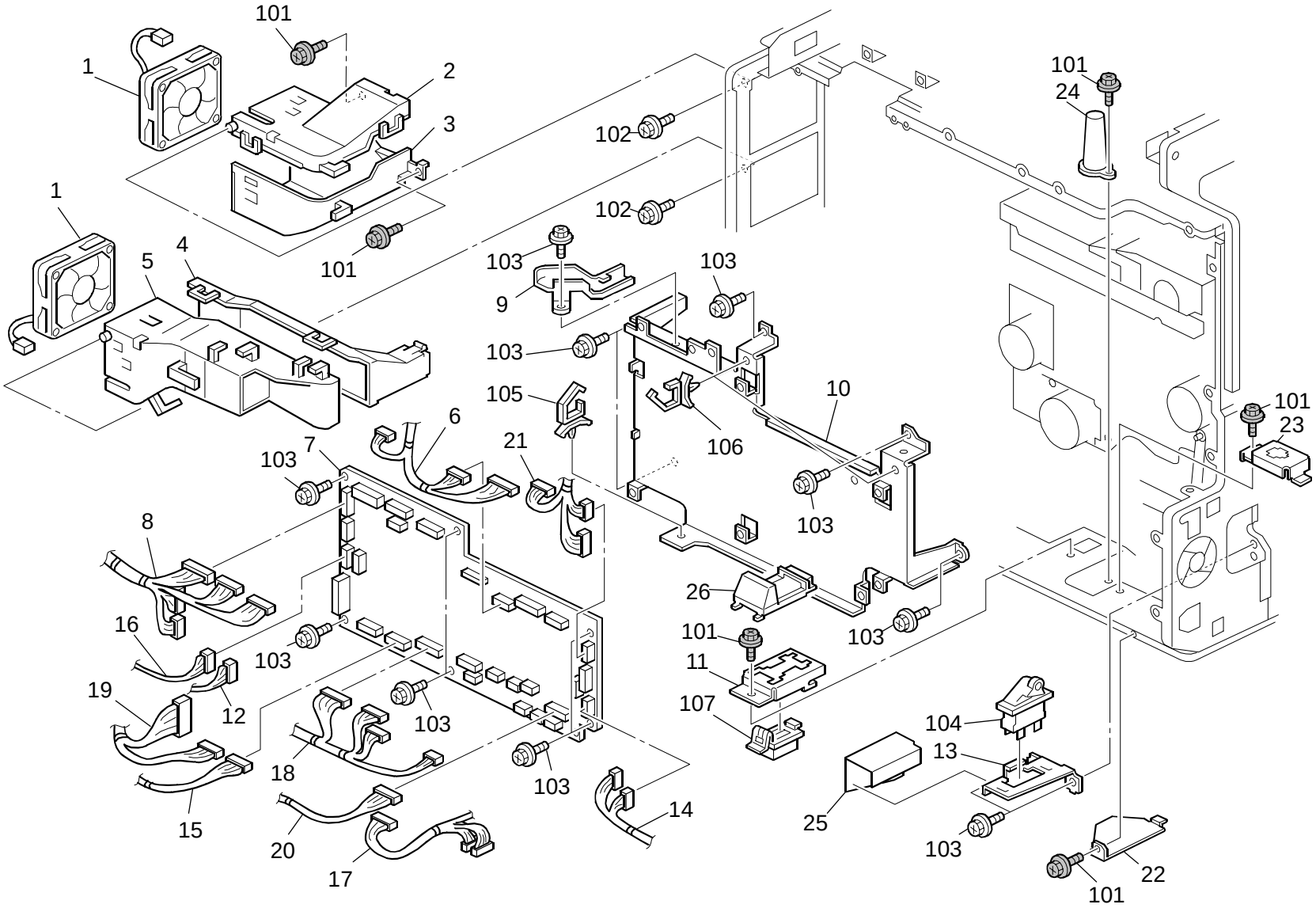


27.Electrical Section 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AZ32 0167	Power Pack:CBTTS	1
2	B238 5830	Power Pack Bracket	1
3	B238 5323	Harness - BICU Power Source	1
4	B238 5831	Harness Clamp	1
5	B238 5812	Cover - Power Supply Unit	1
6	GX64 0027	Fan Motor - DC24V 1.92W	2
7	AZ24 0105	Power Supply Unit:Athena:EU/AA	1
7	AZ24 0114	Power Supply Unit:Athena:DOM/NA	1
8	B238 5382	Harness - High Voltage Line B	1
9	B238 5341	Inlet	1
10	B237 5339	Harness:Dehumidifier:Scanner:Exp	1
11	B238 5332	Harness - Power Supply Unit	1
12	B237 5337	Harness - Dehumidifier	1
13	B238 5342	Harness:Power Supply Unit:Relay	1
14	B238 5335	Harness:Power Supply Unit:Finisher	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	1105 0648	Spacer:Kgps-8rfv0	
103	1105 0521	Clamp - LES-1017	
104	1105 0518	Edge Saddle - LES-1010	
105	1105 0516	Clamp	
106	1105 0487	Harness Clamp	
107	0451 3020N	Tapping Screw:3x20	
108	1204 2570	Rocker Switch:Sddje13200	

28.Electrical Section 3 (B230/B237)

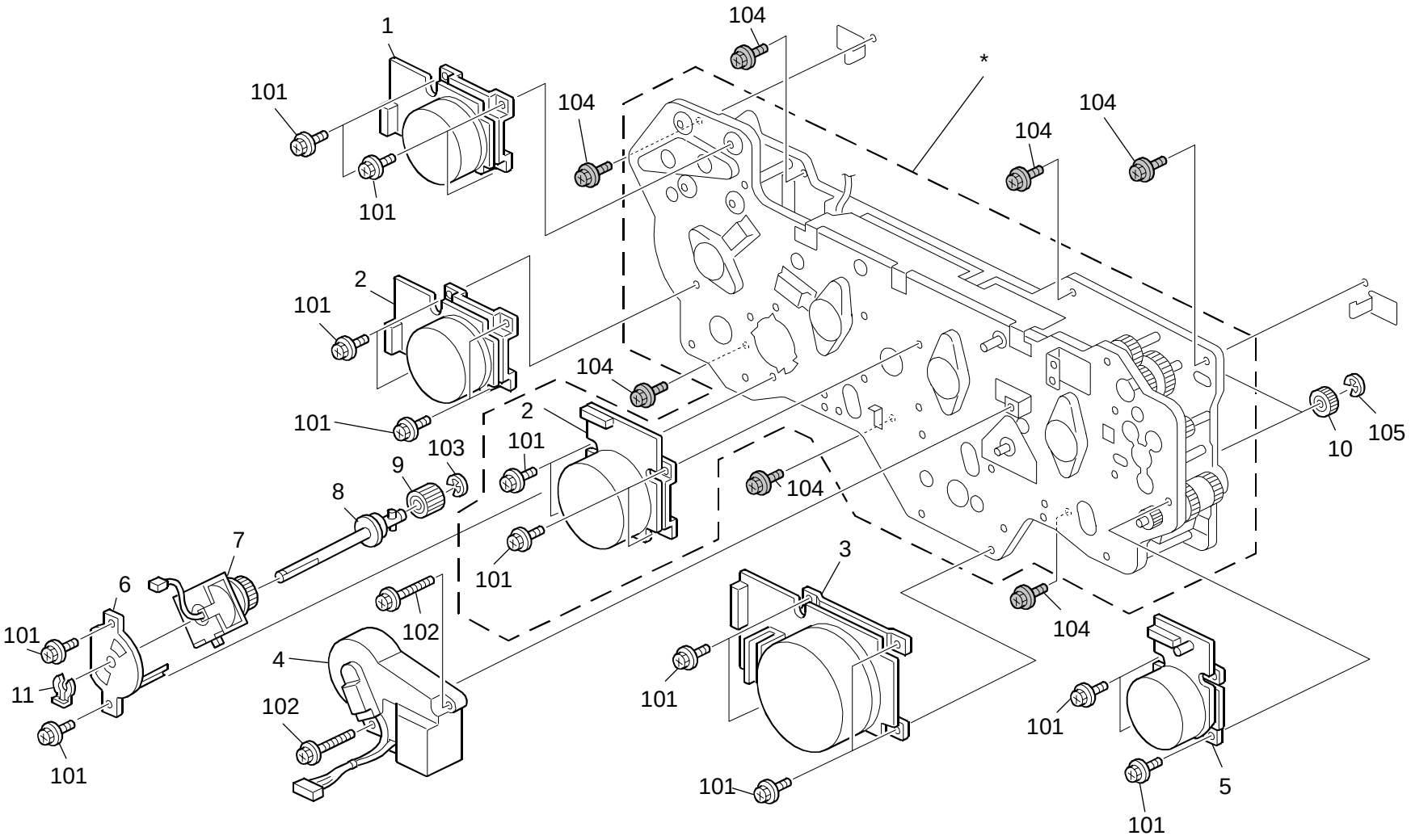


28.Electrical Section 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	GX64 0020	Fan Motor - DC24V	2
2	B238 1126	Fusing Duct - 1	1
3	B238 1127	Fusing Duct - 2	1
4	B238 1121	Duct - Drive 1	1
5	B238 1122	Duct - Drive 2	1
6	B238 5305	Harness - IOB Drum Motor	1
7	B238 5120	PCB IOB	1
8	B238 5300	Harness - Main	1
9	B238 5842	Harness Clamp	1
10	B238 5841	IOB Bracket	1
11	B223 1065	Connector Bracket	1
12	B238 5318	Harness - IOB Duplex Unit	1
13	B238 5827	Main Switch Bracket	1
14	B238 5311	Harness - IOB Skew-motor	1
15	B238 5314	Harness - IOB Paper Feed Unit	1
16	B238 5315	Harness - Lift Motor	1
17	B238 5317	Harness - IOB Bank	1
18	B238 5319	Harness - Fusing	1
19	B238 5322	Harness - IOB Power Source	1
20	B238 5307	Harness - IOB PCU	1
21	B238 5308	Harness - IOB Toner Supply	1
22	B223 5849	Cover:Connector:Heater	1
23	B223 5848	Bracket:Base:Connector	1
24	B238 1089	Cover - Positioning Pin	1
25	B238 5828	Main Switch Sheet	1
26	B238 1088	Cover - Connector	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3006Q	Tapping Screw - M3x6	
102	0450 3010N	Tapping Screw - M3x10	
103	0451 3006N	Tapping Screw - 3x6	
104	1204 2704	Switch - RS1A-AB11	
105	1105 0489	Harness Clamp - LWS 1316	
106	1105 0487	Harness Clamp	
107	1102 8534	Connector - QR/P17-14S-B	

29.Drive Section 1 (B230/B237)

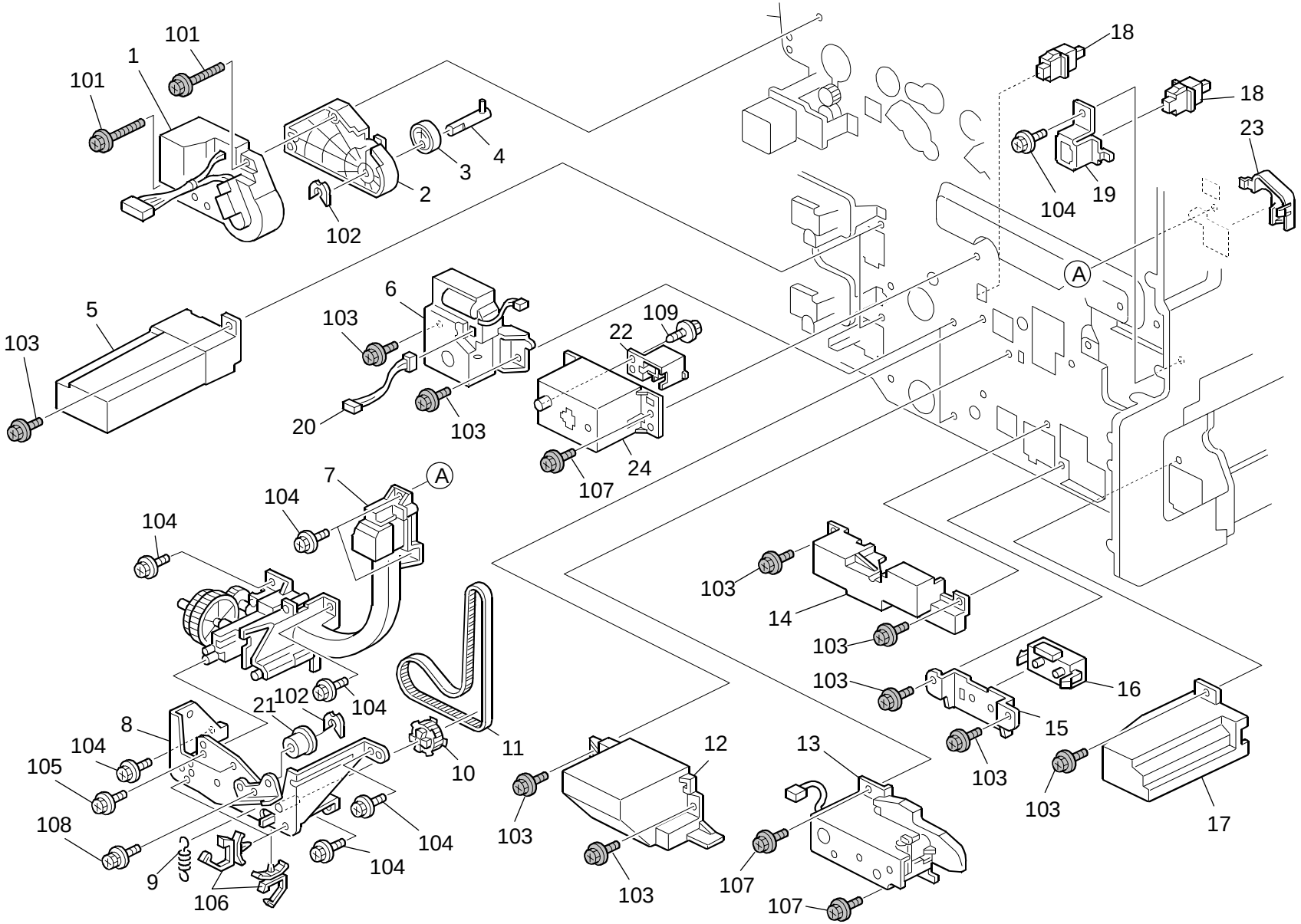


29.Drive Section 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B237 1041	Drive Unit	1
1	AX05 0249	Brushless Motor DC24V8W	1
2	AX06 0310	Brushless Motor DC24V24W	2
3	AX06 0311	Brushless Motor DC24V40W	1
4	B223 1199	DC Motor 24V	1
5	GX06 0015	Brushless Motor:Drive:Paper Feed	1
6	B238 1219	Holder:Magnetic Clutch:Development	1
7	AB04 4006	Magnetic Spring Clutch - 0.98n.m	1
8	B238 1170	Development Drive Shaft	1
9	AB01 0367	Gear - 23Z	1
10	AB01 0368	Gear - 45Z	4
11	5447 2681	Snap Ring	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0360 3006N	Screw - M3X6	
102	0360 3016N	Screw - M3X16	
103	0720 0040E	Retaining Ring - M4	
104	0454 3006Q	Tapping Screw - M3x6	
105	0451 3006N	Tapping Screw - 3x6	
106	0720 0060E	Retaining Ring - M6	

30.Drive Section 2 (B230/B237)

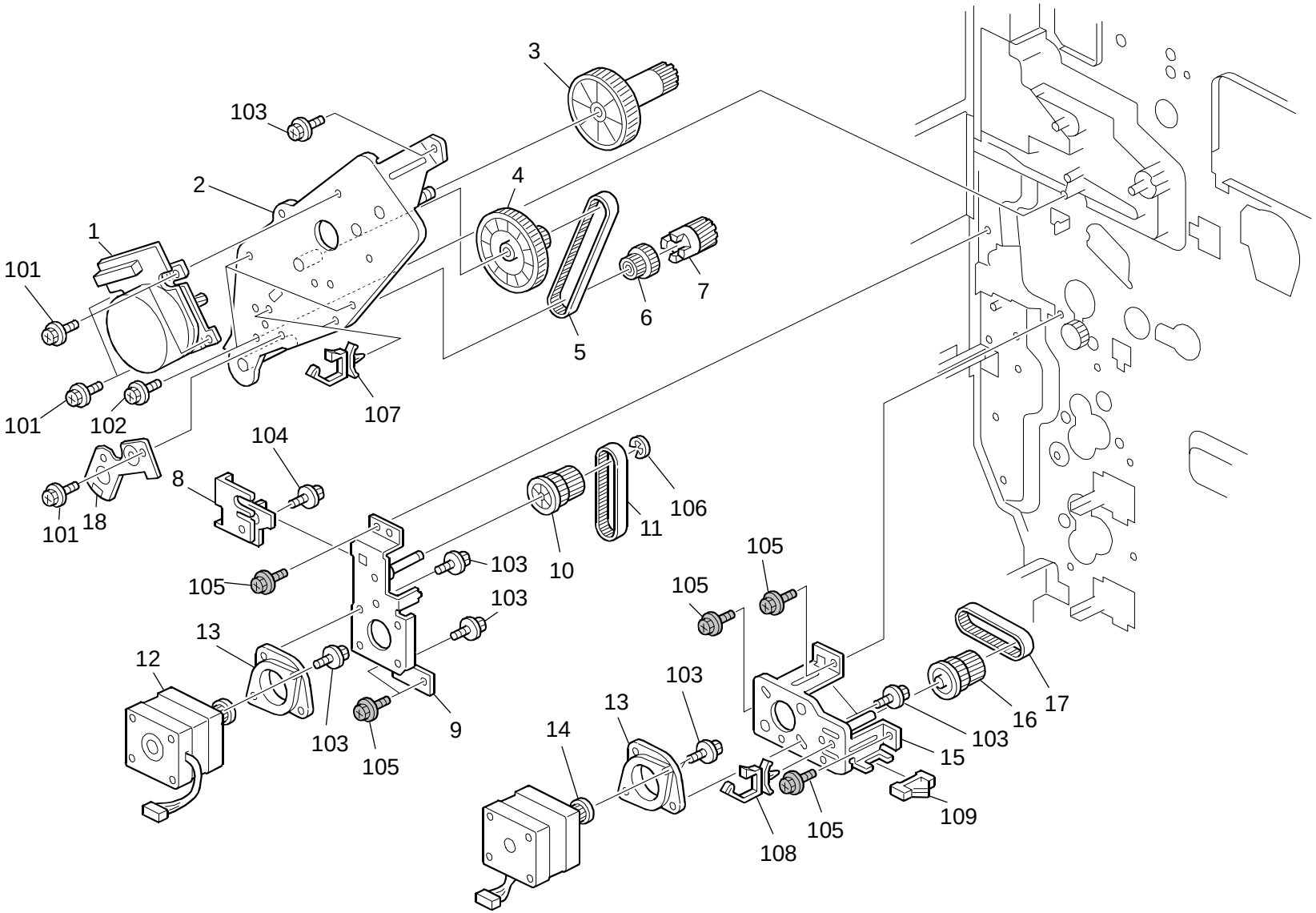


30.Drive Section 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1199	DC Motor 24V	1
2	B238 1223	Holder	1
3	B238 1226	Cam	1
4	B238 1225	Shaft	1
5	B238 2541	Tray Cover - Right	2
6	AX04 0154	DC Motor 24V	2
7	B223 6481	Rear Pipe Ass'y	1
8	B238 1215	Drive Unit	1
9	AA06 0722	Tension Spring	1
10	AB03 0783	Pulley - 34T	1
11	AA04 3583	Timing Belt - S2M460	1
12	B238 2544	Tray Cover - Middle	1
13	B223 2730	Paper Tray Stopper Ass'y	1
14	B223 2722	Cover	1
15	B223 2721	Bracket:Push Switch	1
16	AW50 0038	Push Switch:Paper Size Sensor	1
17	B238 2543	Cover - Tray Left	1
18	AW50 0023	Push Switch	2
19	B223 6507	Set Sensor Bracket	1
20	B238 5325	Harness - Paper Volume Sensor	2
21	AB03 0551	Pulley:Idler:Fusing	1
22	B238 1143	Guide:Connector:Heater:Imaging Unit	1
23	B238 1229	Cover - Separation Plate	1
24	B238 1142	Bracket:Connector:Heater:Imaging Un	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0802 5304	Tapping Screw - M3x30	
102	0805 0089	Retaining Ring - M4	
103	0454 3008Q	Tapping Screw:3x8	
104	0451 3006N	Tapping Screw - 3x6	
105	0450 3008N	Tapping Screw - M3x8	
106	1105 0516	Clamp	
107	0454 3006Q	Tapping Screw - M3x6	
108	0801 0231	Hexagonal Head Bolt W/Washer:M3x6	
109	0451 3010N	Tapping Screw:3x10	

31.Drive Section 3 (B230/B237)

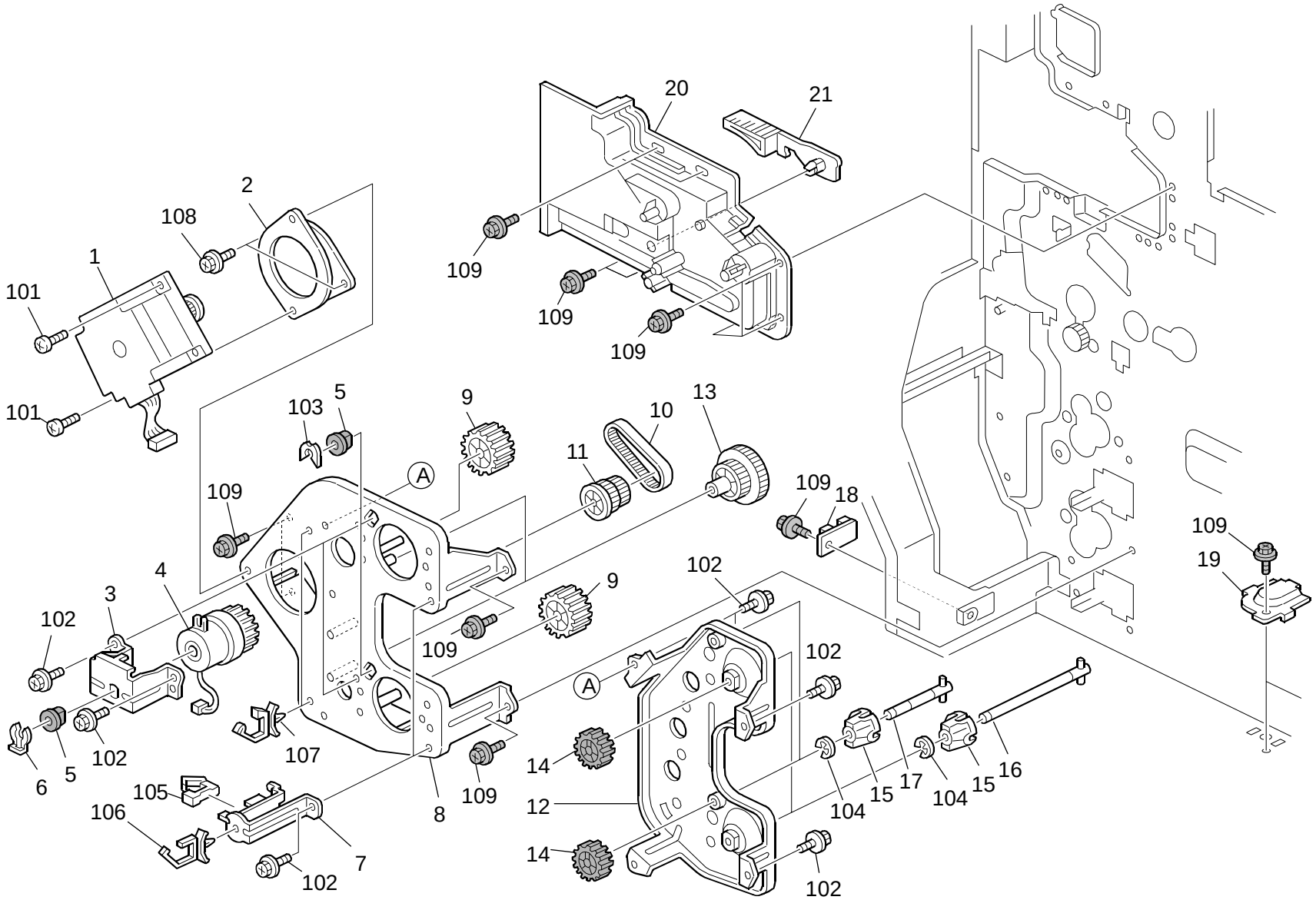


31.Drive Section 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	GX06 0015	Brushless Motor:Drive:Paper Feed	1
2	B238 1213	Fusing Exit Unit Bracket	1
3	AB01 7716	Gear - 23Z/91Z	1
4	AB01 7714	Gear - 120Z/23T	1
5	AA04 3317	Timing Belt - 50S3M258	1
6	AB03 3100	Pulley - 26T	1
7	AB01 7715	Gear - 21Z	1
8	B238 4754	Arm Guide Plate	1
9	B238 4750	Stepper Motor Bracket	1
10	B238 4753	Gear - 22Z/45T	1
11	B238 4755	Timing Belt - B40S2M166	1
12	B238 4720	Stepper Motor:Ass'y	1
13	A232 4666	Cushion - Stepper Motor	2
14	B223 1350	Stepper Motor DC5.06V	1
15	B238 1220	Drive Unit Bracket	1
16	AB03 0744	Timing Pulley - 27Z/40T	1
17	AA04 3601	Timing Belt - B40S2M118	1
18	B238 1234	Cover:Bracket:Fusing Exit Section	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0360 3006N	Screw - M3X6	
102	0450 3012N	Tapping Screw:3x12	
103	0451 3006N	Tapping Screw - 3x6	
104	0451 3008N	Tapping Screw - M3x8	
105	0454 3006Q	Tapping Screw - M3x6	
106	0720 0040E	Retaining Ring - M4	
107	1105 0516	Clamp	
108	1105 0511	Harness Clamp - LWS-0306ZC	
109	1105 0612	Clamp:Eds-0704l-v0	

32.Drive Section 4 (B230/B237)

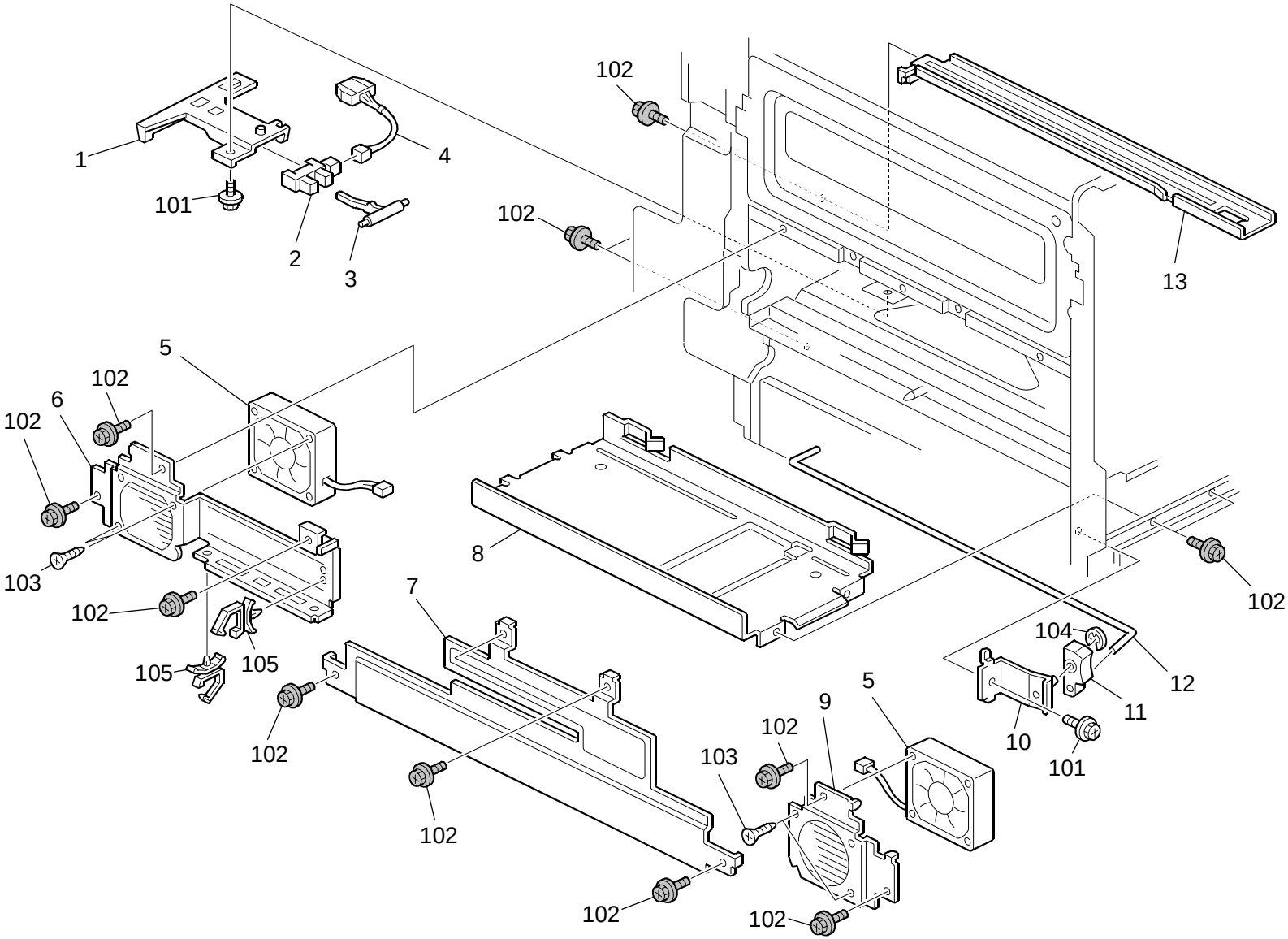


32.Drive Section 4 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1188	Stepper Motor DC24V	1
2	AA16 1164	Cushion:Stepper Motor	1
3	B223 1187	Magnetic Clutch Bracket	2
4	AX20 0289	Magnetic Clutch - 32z	2
5	GA08 0002	Bushing - 6mm	4
6	5447 2681	Snap Ring	2
7	B238 1228	Harness Guide Bracket	2
8	B238 1211	Paper Feed Unit Bracket	1
9	AB01 1258	Gear - 38Z	2
10	AA04 3318	Timing Belt - 40S3M144	1
11	AB03 0781	Timing Pulley - 28Z/30T	1
12	B238 1206	Drive Unit Drum Stay	1
13	AB01 7699	Gear - 33Z/44Z	2
14	AB01 1259	Gear - 32Z	2
15	B223 1186	Drive Joint	4
16	B223 1189	Feed Drive Shaft	2
17	B223 1183	Grip Shaft	2
18	AW14 0012	Temperature & Humidity Sensor	1
19	B238 1066	Rubber Foot Cover	2
20	B238 1063	Fusing Unit Guide Plate - Rear	1
21	G052 4697	Left Fusing Lock Lever	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0434 0100N	Tapping Screw - 4x10	
102	0451 3006N	Tapping Screw - 3x6	
103	0805 0089	Retaining Ring - M4	
104	0720 0040E	Retaining Ring - M4	
105	1105 0612	Clamp:Eds-0704l-v0	
106	1105 0488	Harness Clamp	
107	1105 0516	Clamp	
108	0451 4008N	Tapping Screw:4x8	
109	0454 3006Q	Tapping Screw - M3x6	

33.Frame Section 1 (B230/B237)

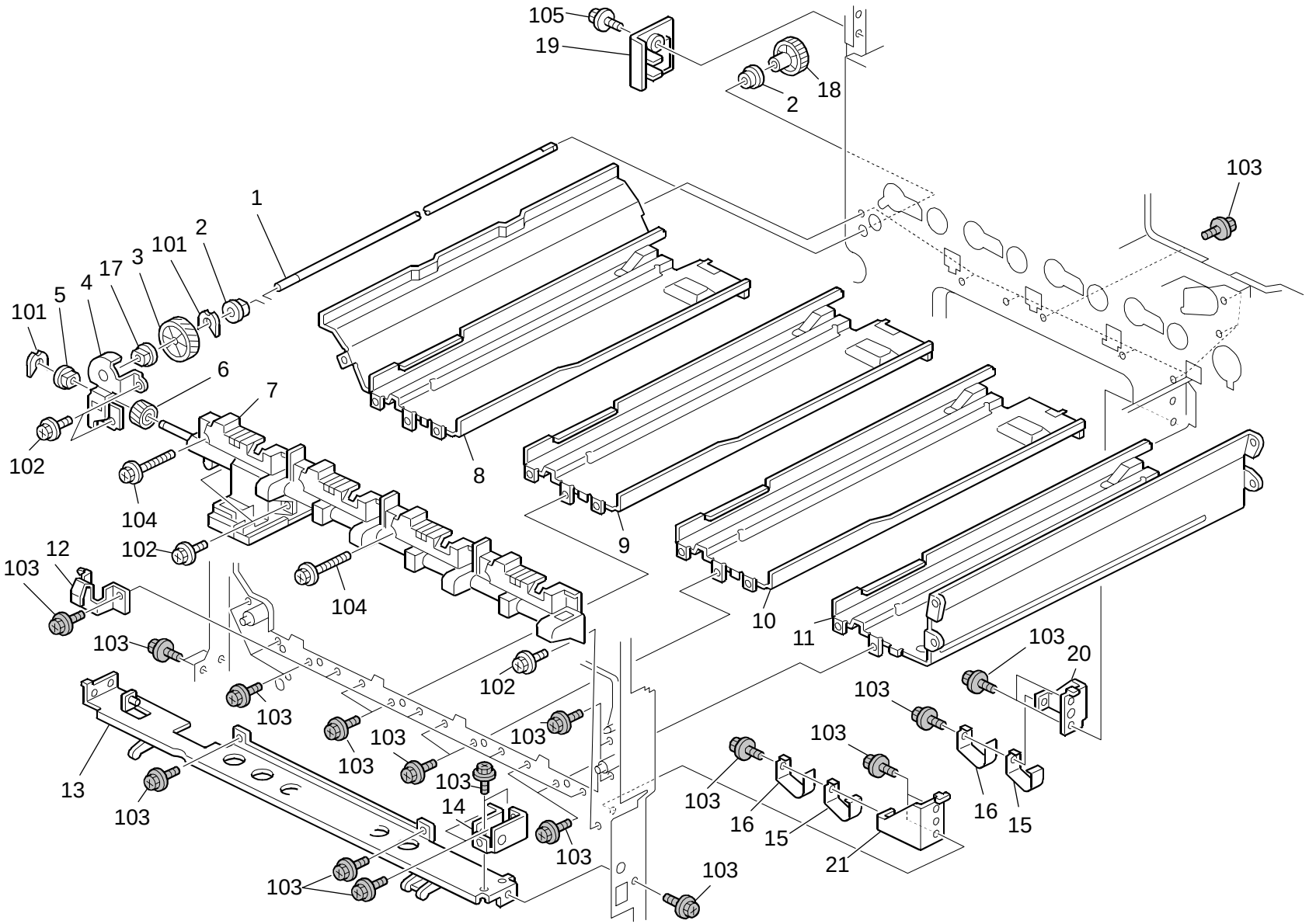


33.Frame Section 1 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6502	Used Toner Sensor Bracket	1
2	AW02 0160	Paper Feed Sensor	1
3	B223 6503	Used Toner Sensor Feeler	1
4	B238 5313	Harness - Used Toner Sensor	1
5	B223 1332	Fan Motor - Mm60 DC24V	2
6	B238 1132	Fan Motor Bracket - Rear	1
7	B238 1138	Harness Shadeing Plate	1
8	B223 6496	Collection Bottle Rail	1
9	B238 1131	Fan Motor Bracket - Front	1
10	B238 5821	Bracket - Main Switch Handle	1
11	B238 5824	Slide Switch Cover	1
12	B238 5825	Power Source Switch Link	1
13	B223 6198	Cleaning Unit Rail	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0802 5303	Tapping Screw - M4x10	
104	0720 0030E	Retaining Ring - M3	
105	1105 0487	Harness Clamp	

34.Frame Section 2 (B230/B237)

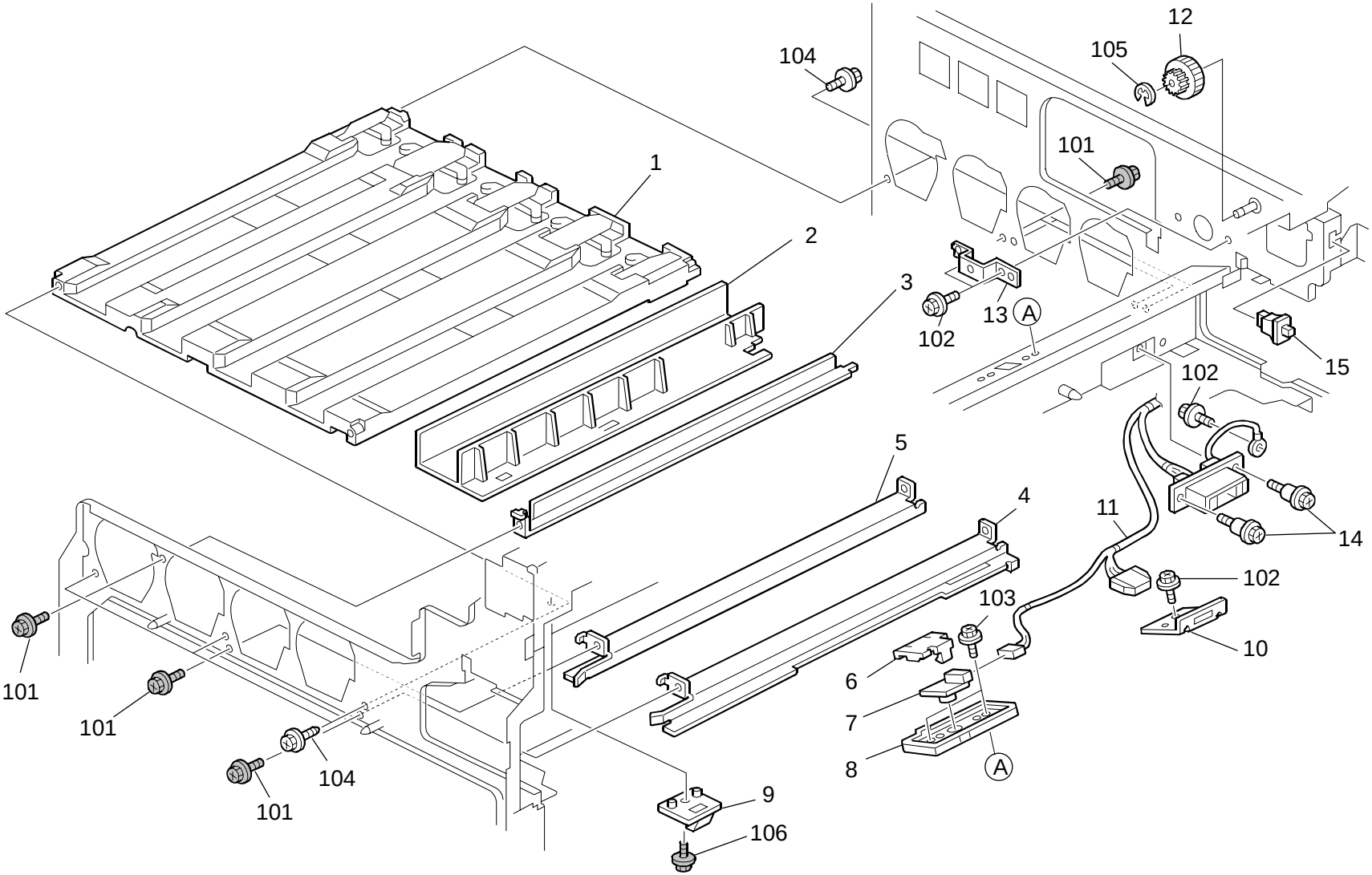


34.Frame Section 2 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6473	Transport Screw Shaft	1
2	B223 6476	Bushing - Dia5	2
3	B223 6472	Gear - 21Z	1
4	B223 6471	Transport Screw Bracket	1
5	B223 6464	Bushing - 6x10x6	1
6	B223 6463	Gear - 20Z	1
7	B223 6451	Pipe:Front:Ass'y	1
8	B223 1087	Separation Plate - Upper Left	1
9	B223 1084	Separation Plate - Upper Middle Lef	1
10	B223 1080	Separation Plate - Upper Middle Rig	1
11	B223 1076	Separation Plate - Upper Right	1
12	B223 6467	Lever Bracket	4
13	B238 1110	Frame:Machine or Copier:Front:Peen	1
14	B238 1115	Supporting Plate:Grip:Right Front	1
15	B223 1898	Imaging Unit Plate - Inner	2
16	B223 1899	Imaging Unit Plate - Outer	2
17	B223 6475	Bushing - 5x 10x2.5	1
18	B223 6474	Gear - 29Z	1
19	B238 1385	Cover - Left	1
20	B223 1897	Imaging Unit Plate - Rear	1
21	B223 1896	Imaging Unit Plate - Front	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0089	Retaining Ring - M4	
102	0451 3006N	Tapping Screw - 3x6	
103	0454 3006Q	Tapping Screw - M3x6	
104	0451 3016N	Tapping Screw - 3x16	
105	0451 3008N	Tapping Screw - M3x8	

35.Frame Section 3 (B230/B237)

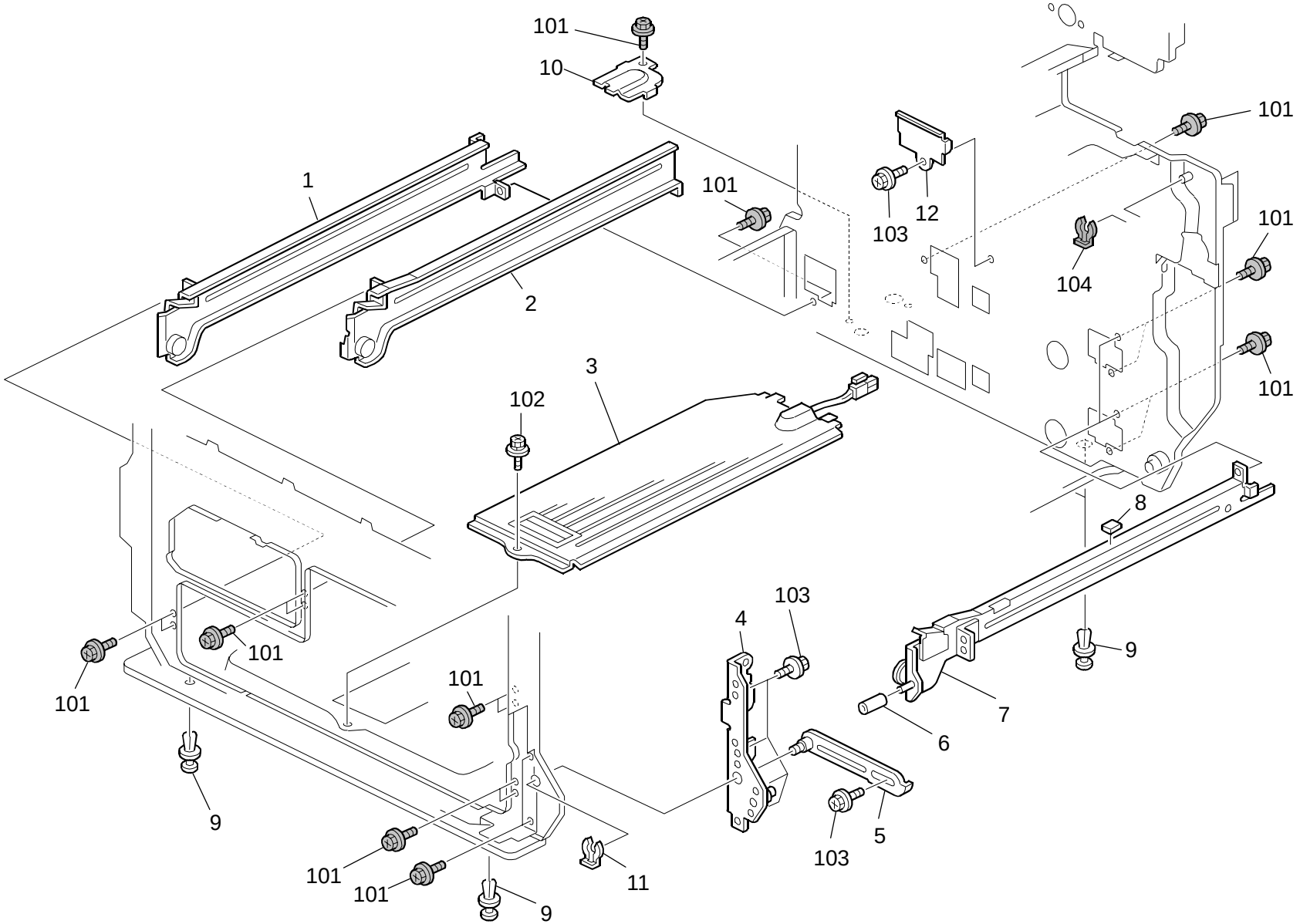


35.Frame Section 3 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 3305	Toner Cartridge Unit	1
2	B238 1123	Fusing Duct - Left	1
3	B223 3328	Toner Cartridge Guide	1
4	B223 6146	Rail:Right:Intermediate Transfer	1
5	B223 6145	Rail:Left:Intermediate Transfer	1
6	B238 4366	Lens Cover	1
7	AW10 0106	Thermopile	1
8	B238 4365	Lens Holder	1
9	B039 1073	Right Door Stopper	1
10	B238 4367	Sensor Bracket	1
11	B238 5319	Harness - Fusing	1
12	B238 4932	Gear - 18Z/50Z	1
13	B238 1222	Support Bracket	1
14	AA14 3555	Screw - M3X5	2
15	G020 5626	Push Switch	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3008Q	Tapping Screw:3x8	
102	0451 3006N	Tapping Screw - 3x6	
103	0804 6123	Hexagonal Bolt:W/Washer:M3x8	
104	0450 3008N	Tapping Screw - M3x8	
105	0720 0040E	Retaining Ring - M4	
106	0454 3006Q	Tapping Screw - M3x6	

36.Frame Section 4 (B230/B237)

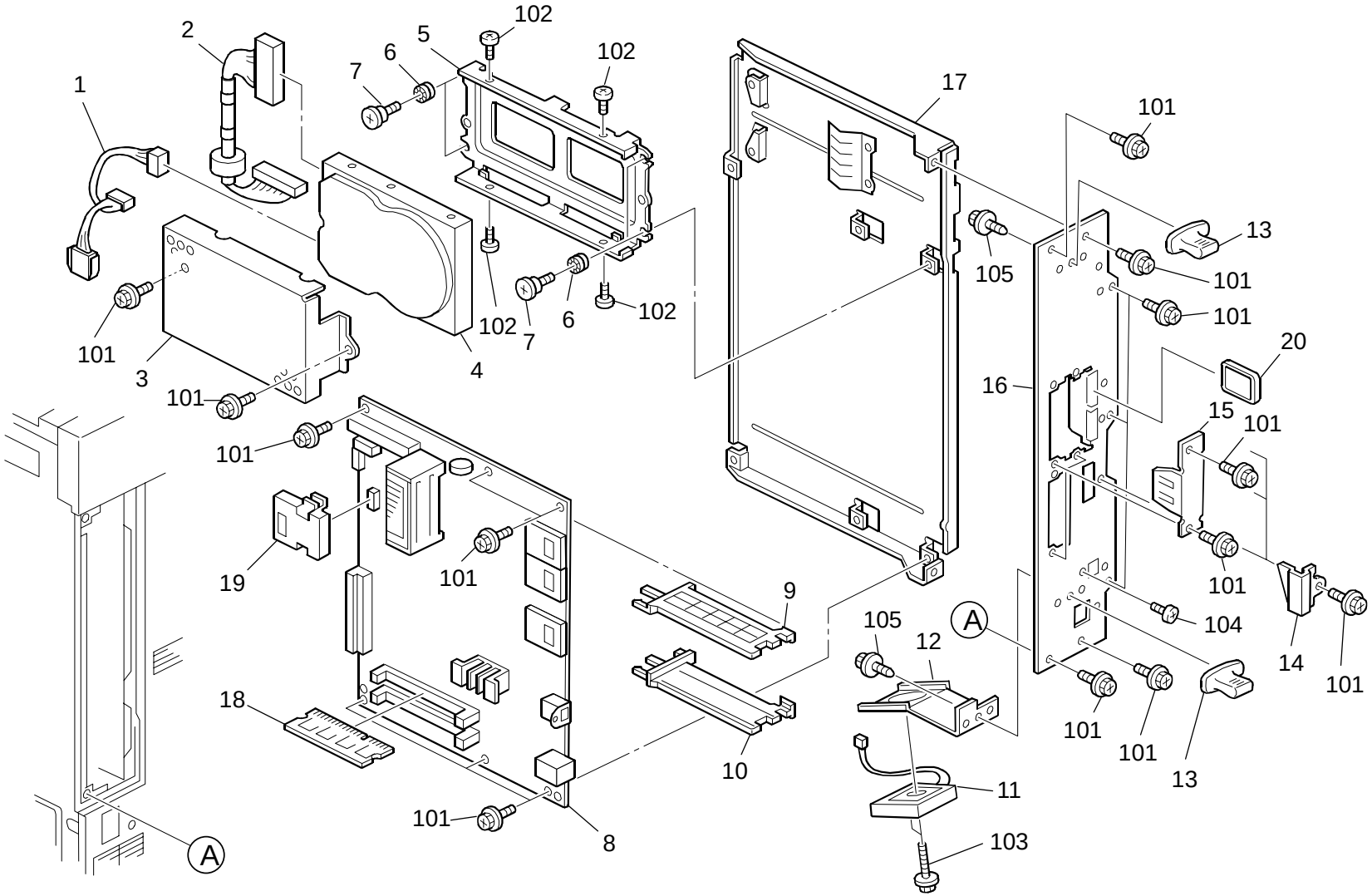


36.Frame Section 4 (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 2710	Supporter - Left No.2	1
2	B223 2705	Supporter - Left No.1	1
3	B223 2703	Heat Sink:Heater:EU	1
4	B238 1056	Bracket:Paper Feed Unit:Peen	1
5	B238 4669	Duplex Link	1
6	B223 2714	Positioning Cap - Short	2
7	B223 2715	Supporter - Right	2
8	AA16 1163	Cushion	2
9	B101 1097	Rubber Foot:H5	4
10	B238 1066	Rubber Foot Cover	1
11	5215 2621	Snap Ring - M6	1
12	B238 1067	Cover:Connector:Heater:Imaging Unit	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3006Q	Tapping Screw - M3x6	
102	0802 5299	Tapping Screw - M3x8	
103	0451 3006N	Tapping Screw - 3x6	
104	0805 0097	Ring Separator	

37.Controller (B230/B237)



37.Controller (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B237 5726	Harness - HDD Power Source	1
2	B238 5396	Harness - HDD	1
3	B238 5883	HDD Cover	1
4	B514 5990	HDD:Hitachi:40GB:Path:Rohs	1
5	B238 5882	HDD Bracket	1
6	AA16 1125	Rubber Cushion	4
7	AA14 3548	Screw:M3x4.2	4
8	B231 5781	Controller Board:AT-C1A	1
8	B238 5781	Controller Board:AT-C1B	1
9	B622 5831	Rail:Right	1
10	B622 5832	Rail:Left	1
11	B237 5721	Fan Motor - Mm42x10.5 DC5V	1
12	B238 5892	Fan Motor Bracket	1
13	B238 5885	Control Board Panel Grip	2
14	B238 5894	Panel:SD-Card	1
15	B238 5887	Interface Panel	3
16	B238 5884	Control Board Panel	1
17	B238 5880	Bracket:Control Board	1
18	G108 5020	PCB:DDR-DIMM:512MB	1
19	B230 9590	NVRAM - Zero Counter	1
20	B237 5617	SD-Card:AT-C1:P/S:Exp:Ass'y	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0801 0226	Screw:Unc:#6-32	
103	0451 3016N	Tapping Screw - 3x16	
104	0353 0060N	Bind Screw - M3x6	
105	0450 3008N	Tapping Screw - M3x8	

38.Controller Board (B230/B237)

BAT

SYMBOL NO.	INDEX NO.
BAT1	113

CAPACITOR

SYMBOL NO.	INDEX NO.
C1	168
C2	185
C3	187
C4	185
C5	185
C6	187
C7	185
C8	202
---	---
C10	195

SYMBOL NO.	INDEX NO.
C11	195
C12	195
C13	195
C14	195
C15	187
C16	187
C17	195
C18	195
---	---
C20	195

SYMBOL NO.	INDEX NO.
C21	195
C22	195
C23	206
C24	195
C25	195
C26	195
C27	195
C28	195
C29	195
C30	195

SYMBOL NO.	INDEX NO.
C31	195
C32	195
C33	195
C34	195
C35	195
C36	195
C37	195
C38	195
C39	195
C40	195

SYMBOL NO.	INDEX NO.
C41	169
C42	195
C43	195
C44	195
C45	195
C46	195
C47	195
C48	195
C49	195
C50	195

SYMBOL NO.	INDEX NO.
C51	195
C52	195
C53	195
C54	195
C55	195
C56	195
C57	195
C58	195
C59	187
C60	167

CAPACITOR

SYMBOL NO.	INDEX NO.
C61	185
---	---
C63	167
C64	167
C65	185
C66	187
---	---
C68	201
C69	201
C70	201

SYMBOL NO.	INDEX NO.
C71	201
C72	201
C73	187
C74	187
C75	184
C76	184
C77	184
C78	184
C79	188
C80	185

SYMBOL NO.	INDEX NO.
---	---
C82	188
C83	188
C84	188
C85	188
C86	184
C87	171
---	---
---	---
C90	185

SYMBOL NO.	INDEX NO.
C91	195
C92	185
C93	187
C94	175
C95	176
C96	206
C97	187
C98	185
C99	176
C100	206

SYMBOL NO.	INDEX NO.
C101	187
C102	202
C103	185
C104	191
C105	206
C106	180
C107	187
C108	190
C109	185
C110	184

SYMBOL NO.	INDEX NO.
C111	188
C112	188
C113	188
C114	188
C115	184
C116	184
C117	184
C118	188
C119	184
C120	184

SYMBOL NO.	INDEX NO.
C121	184
C122	188
C123	188
C124	188
C125	184
C126	188
C127	201
C128	201
C129	201
C130	201

38.Controller Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C131	201	C141	188	C151	192	C161	198	C171	206	C181	175	C191	206
C132	184	C142	184	C152	195	C162	196	C172	187	C182	175	C192	185
C133	188	C143	188	C153	188	C163	206	C173	185	C183	195	C193	179
C134	170	C144	196	C154	190	C164	199	C174	206	C184	174	C194	208
C135	188	C145	196	C155	195	C165	196	C175	206	C185	189	C195	186
C136	184	C146	183	C156	181	C166	196	C176	205	C186	205	C196	187
C137	169	C147	185	C157	187	C167	206	C177	206	C187	195	C197	187
C138	169	C148	196	---	---	C168	197	C178	207	C188	185	C198	185
C139	184	C149	177	---	---	C169	187	C179	183	C189	206	C199	200
C140	188	C150	177	C160	195	C170	206	C180	185	C190	206	C200	186

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C201	180	C211	206	C221	195	C231	195	C241	195	C251	187	C261	195
C202	198	C212	206	---	---	C232	185	C242	187	C252	185	C262	210
C203	190	C213	169	---	---	C233	185	---	---	C253	187	C263	185
C204	187	C214	206	C224	195	C234	187	C244	185	C254	202	C264	194
C205	177	C215	178	C225	195	C235	185	C245	195	C255	187	C265	195
C206	206	C216	183	C226	211	C236	185	C246	185	C256	187	C266	195
C207	202	C217	175	C227	203	C237	195	C247	195	C257	185	C267	188
C208	198	C218	175	C228	195	C238	187	C248	185	C258	185	C268	202
C209	200	C219	175	C229	195	C239	197	C249	195	C259	187	C269	187
C210	187	C220	195	C230	195	C240	185	---	---	C260	202	C270	187

38.Controller Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.
C271	200
C272	185
C273	198
C274	187
C275	185
C276	195
C277	187
C278	187
C279	173
C280	209

SYMBOL NO.	INDEX NO.
C281	197
C282	195
C283	206
C284	185
C285	195
C286	195
---	---
C288	188
C289	194
C290	197

SYMBOL NO.	INDEX NO.
---	---
C292	185
---	---
---	---
C295	195
C296	210
C297	194
C298	185
C299	188
C300	210

SYMBOL NO.	INDEX NO.
C301	195
C302	185
C303	195
C304	195
C305	195
C306	209
C307	197
C308	173
C309	197
C310	195

SYMBOL NO.	INDEX NO.
C311	185
C312	175
C313	210
C314	195
C314	210
C315	210
C316	197
C317	195
C318	188
C319	188

SYMBOL NO.	INDEX NO.
C320	188
C321	197
C322	195
C323	185
---	---
C325	185
C326	185
C327	185
C328	185
C329	210
C330	195

SYMBOL NO.	INDEX NO.
C331	195
C332	185
C333	187
C334	194
C335	194
C336	194
C337	185
C338	188
C339	194
C340	195

CAPACITOR

SYMBOL NO.	INDEX NO.
C341	185
C342	195
C343	195
C344	185
C345	195
C346	185
C347	195
C348	195
C349	185
C350	195

SYMBOL NO.	INDEX NO.
C351	185
C352	202
C353	194
C354	185
C355	188
C356	210
C357	187
C358	181
C359	195
C360	195

SYMBOL NO.	INDEX NO.
C361	195
C362	195
C363	195
C364	185
C365	195
C366	195
C367	195
C368	195
C369	197
C370	210

SYMBOL NO.	INDEX NO.
C371	210
C372	188
C373	185
C374	195
C375	195
C376	185
C377	185
C378	188
C379	194
C380	187

SYMBOL NO.	INDEX NO.
C381	194
C382	175
C383	175
C384	185
C385	175
C386	175
C387	195
C388	185
C389	195
C390	185

SYMBOL NO.	INDEX NO.
C391	185
C392	195
C393	195
C394	195
C395	306
C396	185
C397	195
C398	175
C399	175
C400	188

SYMBOL NO.	INDEX NO.
C401	195
C402	187
C403	187
C404	185
C405	187
C406	185
C407	187
C408	187
C409	185
C410	195

38.Controller Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.
C411	195
C412	185
C413	185
C414	210
C415	206
C416	200
C417	306
C418	195
C419	198
C420	185

SYMBOL NO.	INDEX NO.
C421	187
C422	187
C423	182
C424	192
C425	187
C426	188
C427	185
C428	194
C429	194
C430	185

SYMBOL NO.	INDEX NO.
C431	185
C432	210
C433	185
C434	175
C435	175
C436	175
C437	175
C438	187
C439	187
C440	187

SYMBOL NO.	INDEX NO.
C441	188
---	---
C443	185
C444	187
C445	185
C446	185
C447	185
C448	178
C449	185
C450	187

SYMBOL NO.	INDEX NO.
---	---
C452	206
C453	194
C454	185
C455	206
C456	175
C457	188
C458	178
C459	185
C460	187

SYMBOL NO.	INDEX NO.
C461	185
---	---
C463	195
C464	187
C465	194
C466	194
C467	210
C468	177
C469	185
C470	194

SYMBOL NO.	INDEX NO.
C471	185
C472	187
C473	185
C474	188
C475	185
C476	188
---	---
C478	195
C479	206
C480	185

CAPACITOR

SYMBOL NO.	INDEX NO.
C481	210
C482	188
C483	185
C484	187
C485	210
C486	210
---	---
C488	187
C489	187
C490	175

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
C496	185
C497	185
C498	185
C499	195
---	---

SYMBOL NO.	INDEX NO.
C501	185
---	---
C503	187
C504	198
C505	185
---	---
C507	187
C508	202
C509	173
C510	187

SYMBOL NO.	INDEX NO.
C511	200
C512	206
---	---
C514	195
C515	185
C516	187
C517	185
C518	198
C519	185
C520	198

SYMBOL NO.	INDEX NO.
C521	185
C522	187
C523	193
C524	200
C525	187
C526	185
C527	198
C528	185
C529	198
C530	198

SYMBOL NO.	INDEX NO.
C531	187
C532	185
C533	187
C534	200
C535	187
C536	187
C537	185
C538	185
C539	187
C540	307

SYMBOL NO.	INDEX NO.
C541	195
C542	198
C543	187
C544	185
C545	198
C546	187
C547	187
C548	305
C549	204
C550	180

38.Controller Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.
C551	187
C552	187
C553	189
C554	187
C555	185
C556	185
C557	200
C558	185
C559	185
C560	187

SYMBOL NO.	INDEX NO.
C561	195
C562	195
C563	307
C564	195
C565	195
C566	195
C567	195
---	---
C569	185
C570	195

SYMBOL NO.	INDEX NO.
---	---
C572	187
C573	197
---	---
C575	197
C576	187
C577	200
C578	198
C579	195
C580	175

SYMBOL NO.	INDEX NO.
C581	202
---	---
C583	175
C584	195
C585	173
C586	173
C587	173
---	---
C589	188
C590	188

SYMBOL NO.	INDEX NO.
C591	195
C592	188
C593	181
---	---
C595	185
C596	185
C597	185
C598	195
C599	195
C600	200

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
C605	195
C606	168
---	---
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SYMBOL NO.	INDEX NO.
---	---
---	---
C613	195
C614	195
C615	195
C616	195
C617	195
C618	195
C619	195
C620	185

CAPACITOR

SYMBOL NO.	INDEX NO.
C621	185
C622	185
---	---
C624	187
---	---
---	---
C627	187
C628	187
C629	172
---	---

SYMBOL NO.	INDEX NO.
C631	172
C632	187
C633	180
C634	172
C635	187
C636	180
C637	172
C638	180
C639	187
C640	172

SYMBOL NO.	INDEX NO.
C641	180

CONNECTOR

SYMBOL NO.	INDEX NO.
CN100	105
CN101	110
CN102	110
CN103	109
---	---
CN105	103
CN106	104
CN107	104
CN108	104
CN109	106
---	---

SYMBOL NO.	INDEX NO.
---	---
CN112	101
CN113	107
---	---
CN115	102
---	---
CN117	108

DIODE

SYMBOL NO.	INDEX NO.
D1	119
D2	119
D3	119
D4	122
D5	121
D6	119
D7	120
D8	121
---	---
D10	122

SYMBOL NO.	INDEX NO.
D11	119
---	---
D13	119

38.Controller Board (B230/B237)

FIL

SYMBOL NO.	INDEX NO.
FIL1	220
FIL2	220
FIL3	213
FIL4	213
FIL5	216
FIL6	216
FIL7	222
FIL8	212
FIL9	212
FIL10	214

FUT

SYMBOL NO.	INDEX NO.
FIL11	214
FIL12	212
FIL13	222

SYMBOL NO.	INDEX NO.
FU1	111
FU2	111

IC

SYMBOL NO.	INDEX NO.
IC1	130
---	---
IC3	151
IC4	133
IC5	150
---	---
IC7	126
IC8	1
IC9	125
IC10	127

SYMBOL NO.	INDEX NO.
---	---
IC12	148
IC13	135
IC14	133
IC15	151
IC16	140
---	---
---	---
IC19	130
---	---

SYMBOL NO.	INDEX NO.
---	---
IC22	138
IC23	135
IC24	308
IC25	2
IC26	136
---	---
IC28	152
IC29	147
IC30	152

SYMBOL NO.	INDEX NO.
IC31	308
IC32	141
IC33	132
---	---
IC35	149
IC36	134
IC37	143
---	---
IC39	128
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
IC43	124
---	---
---	---
IC46	127
IC47	145
IC48	144
IC49	137
IC50	142

IC

SYMBOL NO.	INDEX NO.
---	---
IC52	135
IC53	131
IC54	135
IC55	146
---	---
---	---
IC58	135
---	---
---	---

SYMBOL NO.	INDEX NO.
IC61	129
IC62	142
IC63	139
IC64	142
---	---
---	---
IC67	139
IC68	139

L

SYMBOL NO.	INDEX NO.
L1	215
L2	223
L3	219
L4	219
L5	221
L6	215
L7	217
L8	218
L9	218
L10	218

LED

SYMBOL NO.	INDEX NO.
L11	218
L12	218

SYMBOL NO.	INDEX NO.
LED1	123
LED11	123

OSC

SYMBOL NO.	INDEX NO.
OSC1	153
OSC2	154
OSC3	156
OSC4	155

Q

SYMBOL NO.	INDEX NO.
Q1	114
Q2	117
Q3	115
Q4	115
Q5	116
Q6	116
Q7	114
Q8	117
Q9	114
Q10	118

SYMBOL NO.	INDEX NO.
Q11	114
Q12	114

38.Controller Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R1	246	R11	283	---	---	R31	271	R41	276	R51	276	R61	263
R2	246	R12	269	R22	263	R32	283	R42	263	---	---	R62	285
R3	246	R13	247	R23	263	R33	276	---	---	R53	276	R63	246
---	---	---	---	R24	257	---	---	R44	245	---	---	R64	276
---	---	---	---	R25	276	---	---	R45	288	R55	263	---	---
R6	246	---	---	R26	263	R36	276	R46	292	R56	271	R66	245
R7	266	R17	246	R27	263	---	---	R47	243	R57	263	R67	276
R8	283	R18	279	R28	262	---	---	R48	246	R58	266	R68	271
R9	277	---	---	R29	276	---	---	R49	271	R59	245	R69	271
R10	283	R20	277	R30	263	R40	277	R50	246	R60	276	R70	255

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R71	276	R81	266	---	---	R101	271	R111	283	R121	246	---	---
R72	283	R82	276	---	---	R102	245	R112	271	R122	271	---	---
R73	246	R83	246	R93	271	R103	245	R113	283	R123	271	R133	276
R74	266	R84	266	R94	255	R104	271	R114	271	R124	278	R134	247
R75	276	R85	266	R95	276	R105	246	R115	246	R125	261	R135	276
---	---	R86	266	R96	263	R106	246	---	---	R126	278	R136	247
---	---	R87	271	R97	246	R107	246	R117	263	R127	271	---	---
---	---	R88	272	R98	271	R108	246	R118	255	R128	271	R138	263
---	---	R89	276	R99	263	---	---	R119	271	R129	283	R139	271
---	---	R90	263	R100	246	R110	271	R120	271	R130	263	---	---

38.Controller Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
R133	276
R134	247
R135	276
R136	247
---	---
R138	263
R139	271
---	---

SYMBOL NO.	INDEX NO.
R141	276
R142	283
R143	276
R144	276
R145	276
R146	263
R147	271
R148	276
R149	276
R150	271

SYMBOL NO.	INDEX NO.
R151	263
R152	255
R153	276
R154	263
R155	276
R156	271
R157	263
R158	263
R159	255
R160	276

SYMBOL NO.	INDEX NO.
R161	263
R162	276
R163	276
R164	274
R165	271
R166	276
R167	271
R168	276
R169	276
---	---

SYMBOL NO.	INDEX NO.
R171	266
R172	266
R173	245
---	---
---	---
R176	237
R177	237
R178	237
R179	237
R180	237

SYMBOL NO.	INDEX NO.
R181	237
R182	243
R183	237
R184	237
R185	237
R186	237
R187	237
R188	246
R189	266
R190	263

SYMBOL NO.	INDEX NO.
R191	274
R192	274
R193	263
R194	265
---	---
R196	243
R197	243
---	---
R199	274
R200	263

RESISTOR

SYMBOL NO.	INDEX NO.
R201	263
R202	263
R203	265
R204	247
R205	243
R206	243
R207	237
R208	234
R209	246
R210	245

SYMBOL NO.	INDEX NO.
R211	241
R212	297
R213	246
R214	263
R215	263
R216	263
R217	245
R218	239
R219	240
---	---

SYMBOL NO.	INDEX NO.
---	---
R222	243
R223	243
R224	266
---	---
R226	237
R227	237
R228	237
R229	237
R230	237

SYMBOL NO.	INDEX NO.
---	---
R232	238
R232	266
---	---
R234	296
R235	246
R236	246
R237	246
---	---
---	---
R240	243

SYMBOL NO.	INDEX NO.
R241	246
---	---
R243	246
R244	286
R245	246
R246	244
R247	243
---	---
R249	258
---	---

SYMBOL NO.	INDEX NO.
---	---
R252	284
R253	286
---	---
R255	248
R256	244
R257	264
R258	264
R259	304
R260	286

SYMBOL NO.	INDEX NO.
R261	275
---	---
R263	246
---	---
R265	252
R266	245
R267	274
R268	294
R269	286
R270	281

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RESISTOR

SYMBOL NO.	INDEX NO.
---	---
R272	246
R273	300
R274	302
R275	281
R276	247
R277	245
R278	245
R279	245
R280	235

SYMBOL NO.	INDEX NO.
R281	273
R282	273
R283	280
R284	280
R285	236
R286	236
R287	236
R288	236
R289	246
R290	246

SYMBOL NO.	INDEX NO.
R291	246
R292	246
R293	246
R294	236
R295	236
R296	236
---	---
---	---
R299	263
R300	263

SYMBOL NO.	INDEX NO.
R301	263
R302	283
R303	283
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---	---
---	---
R307	245
R308	246
R309	263
R310	245

SYMBOL NO.	INDEX NO.
R311	245
R312	246
R313	263
R314	285
R315	246
R316	263
---	---
R318	278
R319	263
R320	246

SYMBOL NO.	INDEX NO.
R321	263
R322	283
---	---
R324	278
R325	245
R326	263
R327	250
R328	283
R328	246
R329	250
R330	247

SYMBOL NO.	INDEX NO.
R331	247
R332	247
R333	247
R334	247
R335	247
R336	247
R337	278
R338	278
R339	266
R340	266

RESISTOR

SYMBOL NO.	INDEX NO.
R341	266
R342	266
R343	266
R344	266
R345	266
R346	266
R347	276
R348	276
R349	245
R350	261

SYMBOL NO.	INDEX NO.
R351	276
R351	283
R352	246
R353	245
R354	245
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---	---
---	---
R359	267
R360	276

SYMBOL NO.	INDEX NO.
R361	276
R362	283
R362	267
R363	269
R364	276
R365	246
R366	246
R367	272
R368	279
R369	276
R370	243

SYMBOL NO.	INDEX NO.
R371	246
R372	269
R373	276
R374	246
R375	246
R376	279
R377	246
R378	276
R379	283
R380	246

SYMBOL NO.	INDEX NO.
R381	271
R382	255
R383	276
R384	246
R385	266
R386	276
R387	283
R388	283
R389	266
R390	283

SYMBOL NO.	INDEX NO.
R391	276
R392	283
R393	246
---	---
R395	279
R396	246
R397	267
R398	283
R398	266
---	---
R400	246

SYMBOL NO.	INDEX NO.
R401	269
R402	276
---	---
R404	246
R405	246
R406	276
R407	246
---	---
R409	267
R410	276

38.Controller Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.
R411	277
R412	276
---	---
R414	283
R415	271
R416	276
R417	271
R418	266
---	---
R420	277

SYMBOL NO.	INDEX NO.
R421	255
R422	271
R423	277
R424	266
R425	271
R426	243
R427	246
R428	263
R429	245
R430	266

SYMBOL NO.	INDEX NO.
R431	266
R432	271
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R434	271
---	---
R436	249
R437	271
---	---
R439	246
R440	266

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
R445	271
R446	246
R447	246
R448	246
R449	246
R450	271

SYMBOL NO.	INDEX NO.
---	---
R452	246
R453	271
R454	271
R455	263
R456	271
R457	249
R458	271
R459	240
R460	263

SYMBOL NO.	INDEX NO.
R461	247
R462	263
R463	271
R464	247
R465	257
---	---
R467	271
R468	247
R469	255
R470	271

SYMBOL NO.	INDEX NO.
R471	271
R472	283
R473	276
R474	255
R475	276
R476	267
R477	276
R478	276
R479	276
R480	276

RESISTOR

SYMBOL NO.	INDEX NO.
R481	267
R482	271
R483	276
R484	255
R485	276
R486	269
---	---
R488	276
R489	279
R490	246

SYMBOL NO.	INDEX NO.
---	---
R492	276
R493	246
R494	263
R495	263
R496	263
---	---
R498	263
R499	263
R500	266

SYMBOL NO.	INDEX NO.
R501	267
R502	263
R503	276
R504	276
R505	276
R506	266
R507	266
R508	244
R509	244
R510	276

SYMBOL NO.	INDEX NO.
R511	267
R512	263
R513	276
R514	263
R515	276
---	---
R517	263
R518	249
R519	249
R520	256

SYMBOL NO.	INDEX NO.
R521	266
R522	265
R523	265
R524	266
R525	246
R526	246
R527	263
R528	243
---	---
R530	257

SYMBOL NO.	INDEX NO.
R531	263
R532	238
R533	238
R534	238
R535	238
R536	263
---	---
R538	245
R539	246
R540	238

SYMBOL NO.	INDEX NO.
R541	238
R542	283
R543	246
R544	283
R545	237
R546	237
R547	237
R548	237
R549	246
R550	261

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RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
R554	236
R555	245
---	---
R557	236
R558	246
R559	263
R560	246

SYMBOL NO.	INDEX NO.
R561	291
R562	240
R563	240
R564	238
R565	238
R566	263
---	---
R568	266
R569	246
R570	263

SYMBOL NO.	INDEX NO.
---	---
R572	243
R573	246
---	---
R575	237
R576	243
---	---
R578	246
R579	237
R580	242

SYMBOL NO.	INDEX NO.
R581	240
R582	283
R583	251
R584	246
R585	245
R586	237
R587	240
R588	243
R589	243
R590	245

SYMBOL NO.	INDEX NO.
R591	243
R592	250
R593	244
R594	237
R595	246
R596	245
R597	283
R598	263
R599	263
R600	263

SYMBOL NO.	INDEX NO.
R601	246
R602	250
R603	276
R604	237
R605	240
---	---
R607	254
R608	276
---	---
R610	240

SYMBOL NO.	INDEX NO.
R611	237
R612	246
---	---
R614	263
R615	245
R616	266
R617	246
R618	245
R619	241
R620	246

RESISTOR

SYMBOL NO.	INDEX NO.
R621	266
R622	237
R623	240
R624	245
---	---
---	---
---	---
R628	266
R629	245
R630	245

SYMBOL NO.	INDEX NO.
R631	246
---	---
---	---
R634	246
R635	245
R636	237
R637	237
---	---
R639	246
R640	246

SYMBOL NO.	INDEX NO.
R641	240
R642	242
R643	245
R644	245
R645	241
R646	246
---	---
R648	255
---	---
R650	243

SYMBOL NO.	INDEX NO.
R651	237
R652	243
---	---
---	---
R655	263
R656	289
R657	243
---	---
---	---
R660	263

SYMBOL NO.	INDEX NO.
R661	237
R662	299
---	---
R664	248
R665	246
R666	246
R667	287
R668	270
R669	270
R670	263

SYMBOL NO.	INDEX NO.
R671	246
R672	263
R673	246
---	---
R675	246
---	---
---	---
---	---
R679	298
R680	290

SYMBOL NO.	INDEX NO.
R681	246
R682	295
---	---
R684	246
R685	246
---	---
R687	283
R688	293
R689	263
R690	246

38.Controller Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
R692	259
R693	301
R694	243
R695	254
R696	243
R697	243
R698	263
---	---
R700	263

SYMBOL NO.	INDEX NO.
R701	245
R702	266
R703	246
---	---
R705	303
R706	263
R707	246
R708	244
R709	244
R710	236

SYMBOL NO.	INDEX NO.
R711	236
R712	236
R713	236
R714	263
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---	---
---	---
R718	263
---	---
R720	236

SYMBOL NO.	INDEX NO.
R721	246
R722	253
R723	278
R724	282
R725	260
---	---
R727	246
R728	236
R729	268
R730	244

SYMBOL NO.	INDEX NO.
R731	244
R732	244
R733	268
R734	263
R735	268
---	---
R737	236
R738	236
R739	268
R740	268

SYMBOL NO.	INDEX NO.
---	---
---	---
R743	260
R744	236
R745	236
R746	236
---	---
R748	263
R749	263
R750	263

SYMBOL NO.	INDEX NO.
R751	263
R752	263
R753	263
R754	263
R755	263
R756	263
R757	263
R758	263
R759	263
R760	263

RESISTOR

SYMBOL NO.	INDEX NO.
R761	263
R762	283

RN

SYMBOL NO.	INDEX NO.
RN1	160
RN2	160
RN3	160
RN4	224
RN5	224
RN6	224
RN7	224
RN8	224
RN9	228
RN10	224

SYMBOL NO.	INDEX NO.
RN11	224
RN12	160
RN13	224
RN14	228
RN15	224
RN16	224
RN17	228
RN18	224
RN19	228
RN20	224

SYMBOL NO.	INDEX NO.
RN21	224
RN22	162
RN23	228
RN24	166
RN25	160
RN26	228
RN27	232
RN28	228
RN29	232
RN30	228

SYMBOL NO.	INDEX NO.
RN31	159
RN32	232
RN33	232
RN34	228
RN35	164
RN36	229
RN37	226
RN38	229
RN39	230
RN40	230

SYMBOL NO.	INDEX NO.
RN41	230
RN42	230
RN43	229
RN44	159
RN45	229
RN46	224
RN47	232
RN48	224
RN49	160
RN50	231

SYMBOL NO.	INDEX NO.
RN51	231
---	---
RN53	224
RN54	224
RN55	224
RN56	160
RN57	224
RN58	224
RN59	160
RN60	161

38.Controller Board (B230/B237)

RN

SYMBOL NO.	INDEX NO.
RN61	161
RN62	161
RN63	162
RN64	160
RN65	162
RN66	158
---	---
RN68	232
RN69	166
RN70	233

SYMBOL NO.	INDEX NO.
RN71	225
RN72	233
RN73	165
RN74	224
RN75	233
RN76	225
RN77	227
RN78	233
RN79	162
RN80	160

SYMBOL NO.	INDEX NO.
RN81	228
RN82	160
RN83	157
RN84	163
---	---
RN86	224
RN87	225
RN88	225
---	---
RN90	158

SYMBOL NO.	INDEX NO.
RN91	158
RN92	225
RN93	225
RN94	158
RN95	224
RN96	224

SW

SYMBOL NO.	INDEX NO.
SW1	112

38.Controller Board (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B231 5781	Controller Board:AT-C1A	1
*	B238 5781	Controller Board:AT-C1B	1
1	B180 5891	ASIC:TRUMPET3	1
2	B238 5720	ASIC:SHAKER5.5	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 5303	Connector - 4P	
102	1102 7615	Connector - B8B-XH-A	
103	1102 8329	Connector - USB - UBB-4R-D14C	
104	1102 9336	Connector:FPS009-2300-0	
105	1102 9535	Connector - 200PS-JUK-G-B	
106	1102 9686	Connector - RHM-176P-SDK11-U1L1C	
107	1102 9689	Connector 2-440091-4	
108	1102 9887	Connector:52588-3090	
109	1102 9890	Connector:5-1605706-2	
110	1102 9928	Connector:29 6406 200 000 856	
111	1107 1099	Fuse Sst 5	
112	1204 1543	Dip Switch	
113	1206 0115	Lithium Cell - CR1632/V1A	
114	1400 0730	Transistor - 2SD1782K	
115	1401 1209	IC - HAT2093R	
116	1401 1228	Fet:SI3433DV-E3	
117	1401 1296	Fet:TPC8115	
118	1401 1320	Fet - TPC8107	
119	1402 1336	Diode - 1SS355	
120	1402 1365	Diode-RB751V-40	
121	1402 1698	Diode - RB	
122	1402 1709	Diode:EC21QS06G	
123	1403 1131	LED:SML-311UT	
124	1407 4919	IC - 74VHCT244 TSSOP	
125	1407 5274	CMOS Logic - 74LVCH162244A TSSOP	
126	1407 5300	CMOS Logic - 74LVC16244A TSSOP	
127	1407 5334	IC - CMOS LOGIC 74LVC244A TSSOP	
128	1407 5345	IC-SN74lV04APW	
129	1407 5376	IC - SN74LV32APW	
130	1407 5469	IC - SN74LV07APW	
131	1407 5520	IC - SN74LVC125APW	
132	1407 5523	ROM - I2C SOP 3V	
133	1407 5604	IC - SN74LVC16245ADGG	
134	1407 5868	Ethernet Cont LSI - DP83847ALQA56A	
135	1407 6101	IC - SN74LVC2G17DCK	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1407 6127	Clock Generator:ICS960008AFLF	
137	1407 6145	IC:SN74LVC373APW	
138	1407 6161	Clock Generator-ICS960009AFLF	
139	1407 6187	CMOS Logic - SN74LVC1G07DCK	
140	1407 6255	CPU- RM7035C-600l-REV1.1	
141	1407 6265	Real Time Clock:R2025S	
142	1407 6335	CMOS Logic:SN74LVC1G17DCK	
143	1407 6585	CMOS Logic:SN74AHCT1G32DCK	
144	1408 1778	IC:R3112Q101A	
145	1408 1825	IC - R3112Q121A	
146	1408 1826	IC - R3112Q421A	
147	1408 1956	IC:LTC3728LXCUH#TRPBF	
148	1408 1960	IC:LP2996LQ/NOPB	
149	1408 1975	IC - TPS62040DGQ	
150	1408 2034	IC:TPS62042DGQ	
151	1408 2053	IC:R3112Q291A-FA	
152	1408 2066	IC:TPS54310PWP	
153	1503 0842	Oscillator - 14.31818MHZ	
154	1503 1007	Crystal Oscillator - 25Mhz	
155	1503 1181	Crystal Oscilator:30Mhz	
156	1503 1239	Crystal Oscilator:25Mhz	
157	1601 7877	Resistor Array 4.7k Ω ±5% 1/32W	
158	1601 7887	Resistor Array - 10K Ω ±5% 1/32W	
159	1601 7896	Resistor Array - 56 Ω ±5% 1/32W	
160	1601 7898	Resistor Array	
161	1601 7909	Resistor Array - 10 Ω ±5% 1/32W	
162	1601 7913	Resistor 22 Ω ±5% 1/32W	
163	1601 7959	Resistor	
164	1601 7960	Resistor Array - 100 Ω ±5% 1/16W	
165	1601 7981	Resistor Array - 100K Ω±5%1/16W	
166	1601 7994	Resistor - 8.2KΩ ±5% 1/16W	
167	1604 4630	Capacitor - 100µF±20% 6.3V	
168	1604 4728	Capacitor - 100µF±20% 16V	
169	1604 4994	Capacitor - 100µF±20% 6.3V	
170	1604 5002	Capacitor - 220µF±20% 6.3V	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1604 5102	Capacitor:33uf:±20%:16V	
172	1605 1034	Ceramic Capacitor:1000pF:±10%:50V	
173	1605 1124	Capacitor - 4.7µF+80 -20% 10V	
174	1605 1165	Capacitor:680pF:±5%:50V	
175	1605 1200	Capacitor - 10PF ±0.5pF 50V	
176	1605 1201	Capacitor - 12pF ±5% 50V	
177	1605 1204	Capacitor - pF50V	
178	1605 1205	Capacitor - 33pF ±5% 50V	
179	1605 1206	Capacitor - 47pF ±5% 50V	
180	1605 1207	Capacitor - 68pF ±5% 50V	
181	1605 1208	Capacitor:100pF:±5%:50V	
182	1605 1209	Capacitor - 150pF ±5% 50V	
183	1605 1210	Capacitor:180pF:±5%:50V	
184	1605 1212	Capacitor - 470pF ±10% 50V	
185	1605 1214	Capacitor - 1000pF ±10% 50V	
186	1605 1216	Capacitor - 2200pF±10%50V	
187	1605 1221	Capacitor - 0.1 UF+80-20%16V	
188	1605 1240	Capacitor - 0.01µF±10% 25V	
189	1605 1249	Capacitor:0.047uf:±10%:16V	
190	1605 1282	Capacitor:22uf:+80-20%:10V	
191	1605 1283	Capacitor - 680pF ±10% 50V	
192	1605 1284	Capacitor:1500pF:±10%:50V	
193	1605 1285	Capacitor - 3300pF ±10% 50V	
194	1605 1288	Capacitor - 220pF ±5% 50V	
195	1605 1289	Capacitor - 0.1µF±10% 10V	
196	1605 1294	Resistor - 1000pF ±5% 50V	
197	1605 1295	Capacitor:10uf:+80-20%:10V	
198	1605 1296	Capacitor - 330pF ±10% 50V	
199	1605 1299	Resistor - 56pF ±5% 50V	
200	1605 1303	Capacitor - 0.01µF+80-20% 50V	
201	1605 1307	Capacitor - 2.2µF+80-20% 11V	
202	1605 1347	Capacitor - 1UF:+80-20%:16V	
203	1605 1353	Capacitor - 0.1µF±10% 25V	
204	1605 1354	Capacitor:1200pF:±5%:50V	
205	1605 1359	Capacitor - 10UF:±20%:16V	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1605 1391	Capacitor - 22UF:±20%:6.3V	
207	1605 1406	Capacitor - 10µF±10% 6.3V	
208	1605 1416	Capacitor - 1800pF:±5%:50V	
209	1605 1417	Capacitor:47uf:+80-20%:10V	
210	1605 1466	Resistor - 4.7µF+80-20% 10V	
211	1605 1496	Capacitor:10UF:+80-20%:35V	
212	1607 0978	Inductor - BLM21P300SPB	
213	1607 1051	Filter -FBMJ2125HS420	
214	1607 1061	Filter - BLM11p300SPB	
215	1607 1228	Inductor - SLF7045-4R7M2R0	
216	1607 1351	Filter BLM21PG221SN1B	
217	1607 1362	Coil - ACM3225-800-2P	
218	1607 1471	Inductor:LB2518B6R8M	
219	1607 1477	Inductor - RLF7030-4R7M3R4	
220	1607 1489	Filter - MMZ1608B301C	
221	1607 1556	Inductor:RLF7030-1R5N6R1	
222	1607 1567	Filter:MPZ2012S101A	
223	1607 1650	Inductor:RLF7030-6R8M2R8	
224	1609 0005	Registor:33 Ω:±5%:1/16W	
225	1609 0006	Registor:10k Ω:±5%:1/16W	
226	1609 0007	Resistor - 68Ω ±5% 1/16W	
227	1609 0008	Registor:4.7k Ω:±5%:1/16W	
228	1609 0011	Registor:22Ω:±5%:1/16W	
229	1609 0016	Registor:56 Ω:±5%:1/16W	
230	1609 0019	Registor:0 Ω:1608	
231	1609 0020	Registor:10 Ω:±5%:1/16W	
232	1609 0026	Resistor - 47Ω ±5% 1/16W	
233	1609 0027	Resistor - 100KΩ±5% 1/16W	
234	1610 1775	Resistor - 0.03 Ω ±1% 1W	
235	1610 1804	Resistor:0.006 Ω:±1%:1W	
236	1632 0000	Resistor - 0 Ω 1/8W	
237	1634 0000	Resistor - 0 Ω 1/16W	
238	1650 4100	Resistor - 10Ω ±5% 1/10W	
239	1650 4220	Chip Resistor - 22Ω ±5% 1/10W	
240	1650 4330	Chip Resistor - 33Ω ±5% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
241	1650 4470	Resistor - 47Ω±5%1/10W	
242	1650 4560	Chip Resistor - 56Ω ±5% 1/10W	
243	1650 5100	Chip Resistor - 10 Ω±5%1/16W	
244	1650 5101	Chip Resistor - 100 Ω±5%1/16W	
245	1650 5102	Chip Resistor - 1kΩ±5%1/16W	
246	1650 5103	Chip Resistor - 10kΩ±5%1/16W	
247	1650 5104	Chip Resistor - 100kΩ±5%1/16W	
248	1650 5105	Chip Resistor - 1mΩ±5%1/16W	
249	1650 5109	Chip Resistor 1Ω ±5% 1/16W	
250	1650 5122	Chip Resistor - 1.2kΩ±5%1/16W	
251	1650 5150	Resistor - 15Ω ±5% 1/16W	
252	1650 5152	Chip Resistor:1.5kΩ:±5%:1/16W	
253	1650 5153	Chip Resistor - 15kΩ ±5% 1/16W	
254	1650 5202	Chip Resistor:2kΩ:±5%:1/16W	
255	1650 5220	Resistor - 22Ω ±5% 1/16W	
256	1650 5221	Chip Resistor - 220Ω±5%1/16W	
257	1650 5222	Resistor - 2.2KΩ ±5% 1/16W	
258	1650 5229	Resistor:2.2 Ω:±5%:1/16w:1005	
259	1650 5249	Resistor - 2.4Ω ±5% 1/16W	
260	1650 5271	Chip Resistor 270Ω ±5% 1/16W	
261	1650 5272	Chip Resistor:2.7kΩ:±5%:1/16W	
262	1650 5273	Resistor:27kΩ:±5%:1/16W	
263	1650 5330	Chip Resistor - 33Ω±5%1/16W	
264	1650 5360	Resistor - 36Ω ±5% 1/16W	
265	1650 5470	Chip Resistor 47Ω ±5% 1/16W	
266	1650 5472	Chip Resistor:4.7kΩ:±5%:1/16W	
267	1650 5510	Chip Resistor - 51Ω±5%1/16W	
268	1650 5512	Chip Resistor 5.1kΩ ±5% 1/16W	
269	1650 5513	Chip Resistor:51kΩ:±5%:1/16W	
270	1650 5514	Chip Resistor:510kΩ:±5%:1/16W	
271	1650 5560	Chip Resistor 56Ω ±5% 1/16W	
272	1650 5562	Chip Resistor:5.6kΩ:±5%:1/16W	
273	1650 5621	Chip Resistor 620Ω ±5% 1/16W	
274	1650 5680	Resistor - 68Ω ±5% 1/16W	
275	1650 5681	Chip Resistor:680Ω:±5%:1/16W	

Index No.	Part No.	Description	Q'ty Per Assembly
276	1650 5750	Chip Resistor:75Ω:±5%:1/16W	
277	1650 5820	Chip Resistor:82Ω:±5%:1/16W	
278	1650 5822	Chip Resistor:8.2kΩ:±5%:1/16W	
279	1650 5823	Chip Resistor:82kΩ:±5%:1/16W	
280	1653 4999	Resistor - 49.9Ω ±1% 1/8W	
281	1653 5499	Resistor - 54.9Ω ±1% 1/8W	
282	1654 1501	Resistor - 1.5K Ω ±1% 1/10W 1608	
283	1655 0000	Chip Resistor - 0Ω±0%1/16W	
284	1655 1000	Chip Resistor:100Ω:±1%:1/16W	
285	1655 1001	Chip Resistor - 1kΩ ±1% 1/16W	
286	1655 1002	Chip Resistor - 10kΩ±1%1/16W	
287	1655 1102	Resistor - 11KΩ ±1% 1/16W	
288	1655 1301	Chip Resistor:1.3kΩ:±1%:1/16W	
289	1655 1602	Resistor:16k Ω:±1%:1/16W	
290	1655 1651	Resistor:1.65k Ω:±1%:1/16W:1005	
291	1655 1800	Chip Resistor:180Ω:±1%:1/16W	
292	1655 1912	Resistor:19.1k Ω:±1%:1/16W	
293	1655 2002	Chip Resistor - 20kΩ±1%1/16W	
294	1655 2152	Chip Resistor:21.5kΩ:±1%:1/16W	
295	1655 3000	Chip Resistor:300Ω:±1%:1/16W	
296	1655 3402	Resistor:34k Ω:±1%:1/16W	
297	1655 3900	Resistor:390 Ω:±1%:1/16W	
298	1655 4321	Resistor:4.32k Ω:±1%:1/16W	
299	1655 4701	Chip Resistor - 4.7kΩ±1%1/16W	
300	1655 4703	Resistor - 470KΩ ±1% 1/16W	
301	1655 6342	Resistor:63.4k Ω:±1%:1/16W	
302	1655 8202	Resistor - 82KΩ ±1% 1/16W	
303	1655 8251	Resistor:8.25k Ω:±1%:1/16W	
304	1655 9761	Resistor:9.76k Ω:±1%:1/16W	
305	1660 2121	Capacitor - 120pF ±5% 50V	
306	1660 4102	Capacitor - 1000pF ±10% 50V	
307	1660 4472	Capacitor - 4700pF±10% 50V	
308	1906 0076	Flash Memory:MBM29PL12LM12PCN	

Index No.	Part No.	Description	Q'ty Per Assembly

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CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C11	180	C21	182	---	---	C111	192	C121	180	C131	178
---	---	C12	180	C22	193	C102	180	C112	182	C122	178	C132	178
---	---	C13	180	---	---	C103	178	C113	182	C123	182	C133	178
C5	194	C14	180	C34	175	---	---	C114	178	C124	180	C134	178
C5	180	C15	180	C35	186	---	---	C115	178	C125	182	C135	182
---	---	C16	180	---	---	C106	182	C116	178	C126	178	C136	180
C7	180	C17	180	---	---	C107	182	C117	178	C127	178	C137	180
C8	180	C18	180	---	---	C108	182	C118	182	C128	178	C138	182
C9	181	---	---	---	---	C109	182	C119	178	C129	182	C139	182
C10	180	---	---	---	---	C110	182	C120	178	C130	178	C140	170

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C141	182	---	---	C161	194	C171	175	C181	186	C191	182	---	---
C142	171	---	---	---	---	---	---	C182	177	---	---	C202	180
C143	174	C153	178	C163	182	---	---	C183	191	C193	186	C203	180
C144	169	C154	182	C164	180	---	---	C184	191	C194	186	---	---
C145	169	C155	182	C165	182	C175	182	C185	176	C195	171	---	---
C146	174	C156	182	C166	182	---	---	C186	177	---	---	C206	180
C147	182	C157	182	C167	180	---	---	C187	177	---	---	C207	180
C148	170	C158	182	C168	182	C178	175	C188	186	---	---	---	---
C149	233	---	---	C169	178	C179	182	---	---	---	---	C209	233
C150	182	C160	186	C170	182	C180	182	C190	182	C200	172	C210	178

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CAPACITOR

SYMBOL NO.	INDEX NO.
C211	178
C212	178
C213	178
---	---
C215	175
C216	182
C216	182
C217	180
---	---
C219	180
C220	182

SYMBOL NO.	INDEX NO.
C221	180
C222	183
C223	179
C224	180
C225	182
---	---
C227	180
C228	180
C229	190
C230	180

SYMBOL NO.	INDEX NO.
C231	180
---	---
C233	182
C234	233
---	---
---	---
C237	180
C238	188
C239	182
C240	182

SYMBOL NO.	INDEX NO.
C241	180
C242	182
C243	180
C244	182
C245	180
C246	182
C247	182
C248	180
C249	183
C250	179

SYMBOL NO.	INDEX NO.
C251	179
C252	178
C253	178
C254	178
C255	178
C256	183
C257	190
C258	190
C259	190
C260	190

SYMBOL NO.	INDEX NO.
C261	190
C262	190
C263	190
C264	178
C265	182
C266	186
C267	186
C268	186
C269	186
C270	182

SYMBOL NO.	INDEX NO.
C271	182
C272	178
C273	182
C274	182
C275	182
C276	180
C277	182
C278	182
C279	180
C280	182

CAPACITOR

SYMBOL NO.	INDEX NO.
C281	182
C282	180
C283	180
C284	182
C285	180
C286	179
C287	183
C288	182
C289	180
C290	180

SYMBOL NO.	INDEX NO.
C291	180
C292	180
---	---
C294	180
---	---
---	---
---	---
C298	233
C299	178
C300	178

SYMBOL NO.	INDEX NO.
C300	186
C301	178
C302	233
C303	180
C304	178
C305	174
---	---
C307	192
C308	180
C309	189
C310	182

SYMBOL NO.	INDEX NO.
C311	180
C312	180
C313	182
C314	180
C315	182
C316	180
C317	180
C318	182
C319	189
C320	182

SYMBOL NO.	INDEX NO.
C321	182
C322	180
C323	182
C324	180
C325	182
C326	189
C327	189
C328	180
C329	182
C330	180

SYMBOL NO.	INDEX NO.
C331	182
C332	189
C333	182
C334	182
C335	189
C336	189
C337	180
C338	189
C338	180
---	---

SYMBOL NO.	INDEX NO.
C340	182
C341	180
C342	182
C343	182
C344	180
C345	182
C346	180
C347	182
C348	180
C349	180

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CAPACITOR

SYMBOL NO.	INDEX NO.
C351	180
C352	180
C353	178
C354	182
C355	180
---	---
C357	182
C358	180
C359	180
C360	180

SYMBOL NO.	INDEX NO.
C361	180
C362	180
C363	180
C364	182
C365	182
C366	182
C367	189
C368	182
C369	180
C370	182

SYMBOL NO.	INDEX NO.
C371	180
C372	189
C373	180
C374	182
C375	180
C376	182
C377	189
C378	189
C379	182
---	---

SYMBOL NO.	INDEX NO.
C381	182
C382	189
C383	182
C384	182
C385	182
C386	180
C387	180
C388	180
C389	180
C390	180

SYMBOL NO.	INDEX NO.
C391	180
C392	180
C393	182
C394	182
C395	182
C396	180
C397	182
C398	189
C399	180
C400	182

SYMBOL NO.	INDEX NO.
C401	180
C402	180
C403	182
C404	180
C405	185
C406	182
C407	181
C408	186
C409	182
C410	180

SYMBOL NO.	INDEX NO.
C411	182
C412	180
C413	182
C414	180
C415	182
C416	180
C417	182
C418	182
C419	182
C420	180

CAPACITOR

SYMBOL NO.	INDEX NO.
C421	180
C422	180
C423	182
C424	182
C425	186
C426	182
C427	180
C428	182
C429	180
C430	182

SYMBOL NO.	INDEX NO.
C431	180
C432	180
C433	182
C434	180
C435	189
C436	180
C437	182
C438	180
C439	182
C440	180

SYMBOL NO.	INDEX NO.
C441	178
C442	178
C443	178
C444	178
C445	180
C446	180
C447	182
C448	182
C449	180
C450	182

SYMBOL NO.	INDEX NO.
C451	180
C452	182
C453	182
C454	180
C455	189
C456	182
C457	180
C458	180
C459	182
C460	180

SYMBOL NO.	INDEX NO.
C461	180
C462	186
C463	182
C464	182
C465	187
C466	184
C467	180
C468	180
C469	182
C470	189

SYMBOL NO.	INDEX NO.
C471	182
C472	182
C473	180
C474	187
C475	186
C476	182
C477	182
C478	180
C479	180
C480	182

SYMBOL NO.	INDEX NO.
C481	189
C482	180
C483	182
C484	182
C485	182
C486	180
C487	184
C488	180
C489	182
C490	182

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CAPACITOR

SYMBOL NO.	INDEX NO.
C491	180
C492	182
C493	180
C494	180
C495	182
C496	182
C497	180
C498	180
C499	182
C500	182

SYMBOL NO.	INDEX NO.
C501	182
C502	180
C503	182
C504	180
C505	182
C506	180
C507	178
C508	180
C509	180
C510	182

SYMBOL NO.	INDEX NO.
C511	182
C512	182
C513	180
C514	182
C515	180
C515	183
---	---
---	---
---	---
---	---
C520	182

SYMBOL NO.	INDEX NO.
C521	178
C522	178
C523	178
C524	178
C525	182
---	---
C527	175
C528	175
C529	175
C530	175

SYMBOL NO.	INDEX NO.
C531	175
C532	175
C533	175
C534	180
C535	180
C536	180
C537	180
C538	182
C539	182
C540	180

SYMBOL NO.	INDEX NO.
C541	182
C542	180
C543	180
C544	180
C545	180
C546	180
C547	180
---	---
C549	180
C550	180

SYMBOL NO.	INDEX NO.
C551	178
C552	178
C553	178
C554	178
C555	178
C556	178
C557	178
C558	178
C559	178
C560	178

CAPACITOR

SYMBOL NO.	INDEX NO.
C561	178
---	---
C563	182
C564	178
C565	182
C566	173
C567	173
C568	173
C569	180
C570	182

SYMBOL NO.	INDEX NO.
C571	178
C572	180
C573	178
C574	178
C575	180
C576	178
C577	178
C578	178
C579	178
C580	180

SYMBOL NO.	INDEX NO.
C581	178
C582	180
C583	180
C584	180
C585	182
C586	182
C587	180
C588	182
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
C592	182
C593	232
C594	182
C595	180
---	---
C597	180
C598	182
C599	180
---	---

SYMBOL NO.	INDEX NO.
C601	182
---	---
---	---
---	---
---	---
---	---
C607	183
C608	180

CONNECTOR

SYMBOL NO.	INDEX NO.
CN501	108
---	---
CN503	106
CN504	113
CN505	112
CN506	111
---	---
---	---
---	---
CN510	123

SYMBOL NO.	INDEX NO.
CN511	117
CN512	107
CN513	104
---	---
---	---
---	---
---	---
---	---
CN520	105

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CONNECTOR

SYMBOL NO.	INDEX NO.
CN521	115
CN522	116
CN523	114
CN524	103
---	---
---	---
---	---
---	---
---	---
CN530	109

SYMBOL NO.	INDEX NO.
CN531	122
CN532	121
CN533	120
---	---
---	---
---	---
---	---
---	---
---	---
CN540	102

SYMBOL NO.	INDEX NO.
CN541	119
CN542	110
CN543	124
CN544	124
CN545	118

DIODE

SYMBOL NO.	INDEX NO.
D101	130
D102	130
---	---
D104	130
---	---
D106	130
D107	130
D108	130

FILTER

SYMBOL NO.	INDEX NO.
FIL106	195
FIL107	195
FIL108	195
FIL109	195

FUSE

SYMBOL NO.	INDEX NO.
FU101	126
FU102	126

IC

SYMBOL NO.	INDEX NO.
IC1	134
IC2	151
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---

IC

SYMBOL NO.	INDEX NO.
---	---
IC102	148
---	---
---	---
IC105	141
IC106	140
IC107	141
IC108	140
IC109	141
IC110	141

SYMBOL NO.	INDEX NO.
IC111	139
IC112	136
IC113	139
IC114	137
IC115	234
IC116	136
IC117	4
IC118	125
IC119	160
IC120	140

SYMBOL NO.	INDEX NO.
IC121	142
IC122	150
---	---
IC124	150
IC125	143
---	---
IC127	1
IC128	143
IC129	137
---	---

SYMBOL NO.	INDEX NO.
---	---
IC132	145
IC133	152
---	---
IC135	153
---	---
---	---
---	---
IC139	157
IC140	146

SYMBOL NO.	INDEX NO.
IC141	149
IC142	146
IC143	144
IC144	2
---	---
---	---
---	---
---	---
IC149	147
IC150	3

SYMBOL NO.	INDEX NO.
IC151	133
IC152	138
IC153	135
---	---
---	---
---	---
IC156	143
IC156	158
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
IC230	137

LED

SYMBOL NO.	INDEX NO.
L101	196
L102	196
L103	196
L104	196

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LED

SYMBOL NO.	INDEX NO.
LED101	131
LED102	132

OSC

SYMBOL NO.	INDEX NO.
OSC101	161
OSC102	162

Q

SYMBOL NO.	INDEX NO.
Q101	128
Q102	128
Q103	129
Q104	129
Q105	129
Q106	127

RESISTOR

SYMBOL NO.	INDEX NO.
R1	217
R2	217
R3	217
R4	217
R5	208
R6	208
R7	211
R8	205
R9	205
R10	205

SYMBOL NO.	INDEX NO.
R11	223
---	---
---	---
---	---
R15	209
---	---
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
R31	206
R32	223
R33	223
R34	223
R35	223
R36	207
R37	222
R38	222
R39	222
R40	222

SYMBOL NO.	INDEX NO.
R101	210
R102	215
R103	231
R104	231
R105	231
R106	231
R107	231
R108	231
R109	231
R110	231

RESISTOR

SYMBOL NO.	INDEX NO.
R111	231
R112	231
R113	231
R114	231
R115	231
R116	231
R117	210
R118	215
R119	214
R120	226

SYMBOL NO.	INDEX NO.
---	---
R122	226
---	---
R124	210
R125	210
R126	223
R127	223
R128	223
R129	226
---	---

SYMBOL NO.	INDEX NO.
R131	226
---	---
R133	226
---	---
R135	210
R136	209
R137	225
R138	225
R138	223
---	---
R140	225

SYMBOL NO.	INDEX NO.
R141	223
R142	223
R143	209
R144	223
R145	223
R146	215
R147	208
R148	208
R149	215
R150	208

SYMBOL NO.	INDEX NO.
R151	223
R152	205
R153	226
R154	226
R155	226
R156	226
R157	205
R158	205
R159	205
---	---

SYMBOL NO.	INDEX NO.
R161	205
R162	205
R163	218
R164	218
R165	223
R166	215
R167	210
R168	223
R169	210
R170	223

SYMBOL NO.	INDEX NO.
R171	205
R172	209
---	---
---	---
R175	209
R176	223
R177	223
R178	223
---	---
---	---

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R181	226	R191	210	R201	210	R211	213	R221	209	R231	230	R241	209
R182	206	R192	206	R202	210	R212	213	R222	210	R232	229	R242	223
R183	210	R193	226	R203	206	R213	213	R223	223	R233	209	R243	210
R184	209	R194	223	R204	206	R214	213	R224	226	R234	208	R244	229
R185	209	---	---	R205	206	R215	208	R225	226	R235	213	R245	230
R186	209	R196	205	---	---	R216	226	R226	226	R236	213	R246	227
R187	205	---	---	R207	205	R217	226	R227	226	R237	213	R247	227
R188	223	R198	212	---	---	R218	226	R228	210	R238	213	R248	210
R189	223	R199	209	---	---	R219	226	R229	227	R239	208	R249	227
R190	223	R200	223	R210	208	R220	209	R230	227	R240	209	R250	227

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R251	230	R261	209	R271	223	R281	226	---	---	R311	210	R321	209
R252	209	R262	214	R272	223	R282	226	---	---	R312	210	R322	210
---	---	R263	204	R273	223	R283	205	R293	209	R313	216	R323	210
R254	229	R264	209	R274	223	R284	205	R294	219	R314	217	R324	208
R255	223	R265	220	R275	223	R285	229	---	---	R315	226	---	---
R256	227	R266	210	R276	223	R286	230	---	---	R316	221	---	---
R257	227	R267	223	R277	223	R287	227	R307	223	R317	221	R327	209
R258	204	R268	223	R278	223	R288	227	R308	223	R318	221	R328	210
R259	223	R269	223	R279	226	R289	210	R309	223	R319	206	R329	226
R260	209	R270	223	R280	226	---	---	R310	223	---	---	R330	210

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RESISTOR

SYMBOL NO.	INDEX NO.
R331	209
R332	210
R333	223
R334	209
R335	210
R336	209
R337	206
R338	209
R339	210
R340	209

SYMBOL NO.	INDEX NO.
R341	209
R342	223
R343	227
R344	223
R345	227
R346	223
R347	223
R348	223
R349	223
R350	219

SYMBOL NO.	INDEX NO.
R351	223
R352	223
R353	223
R354	223
R355	223
R356	223
R357	223
R358	227
R359	227
R360	205

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
R365	210
R366	210
R367	228
---	---
R369	205
R370	206

SYMBOL NO.	INDEX NO.
R371	209
R372	223
R373	205
R374	205
R375	205
R376	227
R377	227
R378	210
R379	206
R380	223

SYMBOL NO.	INDEX NO.
R381	206
R382	223
R383	227
R384	206
R385	206
R386	227
R387	206
R388	223
R389	223
R390	206

SYMBOL NO.	INDEX NO.
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R392	210
R393	206
R394	226
R395	210
R396	223
---	---
R398	210
R399	223
R400	209

RESISTOR

SYMBOL NO.	INDEX NO.
R401	205
R402	214
R403	214
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---	---
---	---
R408	206
R409	206
R410	206

SYMBOL NO.	INDEX NO.
R411	223
---	---
R413	226
---	---
R415	214
R416	210
R417	215
R418	214
R419	210
R420	215

SYMBOL NO.	INDEX NO.
R421	226
R422	226
R423	226
R424	226
R425	223
R426	223
R427	224
R428	223
R429	224
R430	224

SYMBOL NO.	INDEX NO.
R431	226
R432	210
R433	210
R434	226
R435	219
R436	210
R437	210
R438	215

REG

SYMBOL NO.	INDEX NO.
REG101	159
REG102	155
---	---
REG104	156
REG105	155
REG106	154
REG107	156

RN

SYMBOL NO.	INDEX NO.
RN101	198
RN102	199
RN103	201
RN104	167
---	---
RN106	197
RN107	199
RN108	197
RN109	167
RN110	197

SYMBOL NO.	INDEX NO.
RN111	197
RN112	199
RN113	168
RN114	199
---	---
RN116	199
RN117	199
RN118	163
RN119	168
RN120	199

39.BICU Board (B230/B237)

RN

SYMBOL NO.	INDEX NO.
RN121	199
RN122	199
RN123	199
RN124	199
RN125	199
RN126	199
RN127	167
RN128	165
RN129	165
RN130	165

SYMBOL NO.	INDEX NO.
RN131	167
RN132	199
RN133	199
RN134	199
RN135	199
RN136	199
RN137	198
RN138	198
RN139	199
RN140	199

SYMBOL NO.	INDEX NO.
RN141	199
RN142	199
RN143	199
RN144	199
RN145	199
RN146	167
---	---
RN148	167
RN149	199
---	---

SYMBOL NO.	INDEX NO.
RN151	167
RN152	167
RN153	199
---	---
RN155	199
RN156	199
RN157	199
RN158	199
RN159	199
RN160	199

SYMBOL NO.	INDEX NO.
RN161	199
RN162	199
RN163	198
RN164	203
RN165	167
---	---
RN167	167
RN168	167
RN169	167
RN170	168

SYMBOL NO.	INDEX NO.
RN171	166
RN172	164
RN173	200
RN174	200
RN175	164
RN176	200
RN177	200
RN178	200
RN179	164
RN180	164

SYMBOL NO.	INDEX NO.
RN181	200
RN182	200
RN183	200
RN184	200
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RN

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
RN194	163
RN195	199
RN196	199
RN197	199
RN198	199
RN199	199
RN200	167

SYMBOL NO.	INDEX NO.
RN201	163
RN202	199
RN203	199
RN204	199
RN205	199
RN206	167
RN207	199
RN208	199
RN209	199
RN210	202

SYMBOL NO.	INDEX NO.
RN211	167
RN212	199
RN213	199
RN214	199
RN215	199
RN216	163
RN217	199
RN218	167
RN219	199
RN220	163

SYMBOL NO.	INDEX NO.
RN221	199
RN222	199
RN223	199
RN224	163
RN225	167
RN226	167
RN227	198
RN228	198
RN229	198
RN230	198

SYMBOL NO.	INDEX NO.
RN231	198
RN232	163
RN233	201
RN234	202
RN235	167
RN236	199
RN237	199
RN238	198
RN239	198
RN240	198

SYMBOL NO.	INDEX NO.
RN241	163
RN242	198
RN243	198
RN244	198
RN245	167
RN246	199
RN247	168

TP

SYMBOL NO.	INDEX NO.
TP102	101
TP103	101
TP104	101
TP122	101
TP123	101
TP125	101
TP126	101
TP145	101
TP146	101
TP147	101
TP148	101

39.BICU Board (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B238 5100	PCB:BICU:AT-C1:Ass'y	1
1	B101 5160	IC:MB87M1480175	1
2	B188 5350	LSI:MB87M4290	1
3	B238 5501	IC:STRIX	1
4	B238 5508	IC:S29GL032M90TFIR40	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1100 1475	Test Pin	
102	1102 4203	CT Header - 4P	
103	1102 4211	CT Header - 12P	
104	1102 4464	CT Header(h) - 6P	
105	1102 6298	Connector - 5P	
106	1102 6343	Connector 12p	
107	1102 6365	Connector - 53325-0663	
108	1102 6403	Connector - 30P	
109	1102 6594	Connector - 10P	
110	1102 8358	Connector - WR-100P-VF60-1	
111	1102 8478	Connector - 55447-1410	
112	1102 8480	Connector - 55447-1610	
113	1102 8560	Connector - KX14-60K5D1E	
114	1102 8781	Connector - 1-292207-2	
115	1102 9115	Connector - 1-292207-4	
116	1102 9116	Connector - 353297-5	
117	1102 9606	Connector - 200RS-JUK-GB	
118	1103 3158	Connector - FH12-10S-0.5SV(89)	
119	1103 3175	Connector - FH12-40S-0.5SV(89)	
120	1103 3177	Connector - FH12-45S-0.5SV(89)	
121	1103 3179	Connector:FH12-50S-0.5SV(89)	
122	1103 3207	Connector - FH12-36S-0.5SH(89)	
123	1103 3519	Connector - KX24-140R-6ST-N1	
124	1103 3806	Connector - WR-70P-VF60-N1	
125	1104 0764	IC Socket - 8 PIN	
126	1107 1107	Fuse - CCP2E100TBK	
127	1400 0911	Transistor - DTC144TE	
128	1400 1167	Transistor - SRC1210UF	
129	1400 1170	Transistor - SRC1206UF	
130	1402 1911	Diode - SDS511	
131	1403 1265	LED - KPT-1608SGC	
132	1403 1266	LED - KPT-1608EC	
133	1407 5334	IC - CMOS LOGIC 74LVC244A TSSOP	
134	1407 5344	IC - SN74LV02APW	
135	1407 5347	IC - SN74LV08APW	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1407 5392	IC:SN74LV541APW	
137	1407 5463	IC - SN74LV245APW	
138	1407 5476	CMOS Logic - SN74AHC2G125HDCT	
139	1407 5633	IC - SN74LV574APW	
140	1407 5713	IC:SN74LV06APW	
141	1407 5734	CMOS Logic - SN74ALVC245PW	
142	1407 5927	CMOS Logic - SN74LVC1G14DCK	
143	1407 6100	IC:SN74LVC1G04DCK	
144	1407 6101	IC - SN74LVC2G17DCK	
145	1407 6166	IC - ESOC	
146	1407 6187	CMOS Logic - SN74LVC1G07DCK	
147	1407 6229	CMOS Logic - SN74LVCZ244APW	
148	1407 6232	LVDS - THC63LVD104A	
149	1407 6447	Custom IC - GAVD Type-W	
150	1407 6466	Field Memory - 3MX12 3.3V	
151	1407 6545	Custom IC - RB5C661	
152	1407 6568	Clock Generator - ICS7152M-11LF	
153	1408 1653	Opeamp - LMV324IPW	
154	1408 1669	Series Regulator:R1170H331B	
155	1408 1850	Regulator - R1170h181b	
156	1408 2236	Regulator - BH18FB1WG	
157	1408 2304	Reset IC - BU4226FVE	
158	1408 2305	Reset IC - BU4242FVE	
159	1408 2321	Regulator - R1172H121B-FB	
160	1408 2376	Swithing Regulator Modele:H8D3243A	
161	1503 0906	Crystal Oscillator - 28.224Mhz	
162	1503 1215	Crystal Oscilator - 17.5Mhz	
163	1601 7887	Resistor Array - 10K Ω ±5% 1/32W	
164	1601 7896	Resistor Array - 56 Ω ±5% 1/32W	
165	1601 7898	Resistor Array	
166	1601 7900	Resistor Array - 0 Ω ±5%	
167	1601 7943	Resistor Array - 68 Ω ±5% 1/32W	
168	1601 7959	Resistor	
169	1604 2114	Capacitor:47micro-f:50V	
170	1604 4925	Resistor - 100µF±20% 10V	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1604 5508	Capacitor - 270UF:±20%:50V	
172	1604 5509	Capacitor - 150UF:±20%:20V	
173	1605 1137	Capacitor - 470pF ±10% 50V	
174	1605 1148	Capacitor - 0.1µF+80-20% 50V	
175	1605 1200	Capacitor - 10PF ±0.5pF 50V	
176	1605 1201	Capacitor - 12pF ±5% 50V	
177	1605 1202	Capacitor - 15pF ±5% 50V	
178	1605 1206	Capacitor - 47pF ±5% 50V	
179	1605 1208	Capacitor:100pF:±5%:50V	
180	1605 1212	Capacitor - 470pF ±10% 50V	
181	1605 1216	Capacitor - 2200pF±10%50V	
182	1605 1221	Capacitor - 0.1 UF+80-20%16V	
183	1605 1240	Capacitor - 0.01µF±10% 25V	
184	1605 1285	Capacitor - 3300pF ±10% 50V	
185	1605 1288	Capacitor - 220pF ±5% 50V	
186	1605 1295	Capacitor:10uf:+80-20%:10V	
187	1605 1296	Capacitor - 330pF ±10% 50V	
188	1605 1301	Capacitor-6800pF ±10% 50V	
189	1605 1305	Capacitor - 1µF+80-20% 6.3V	
190	1605 1344	Capacitor - 33pF ±5% 50V	
191	1605 1430	Resistor - 1µF+80-20% 50V	
192	1605 1447	Resistor - 470pF ±5% 50V	
193	1605 1583	Capacitor - 0.1UF:±10%:16V	
194	1605 1620	CAPACITOR:47UF:±20%:4V	
195	1607 1482	Filter - MMZ1608S121A	
196	1607 1629	Coil - DLW21HN900SQ2B	
197	1609 0005	Registor:33 Ω:±5%:1/16W	
198	1609 0006	Registor:10k Ω:±5%:1/16W	
199	1609 0007	Resistor - 68Ω ±5% 1/16W	
200	1609 0016	Registor:56 Ω:±5%:1/16W	
201	1609 0018	Registor:2.2k Ω:±5%:1/16W	
202	1609 0019	Registor:0 Ω:1608	
203	1609 0094	Resistor - 180Ω ±5% 1/16W	
204	1610 1427	Resistor - 15Ω ±5% 1W	
205	1633 0000	Resistor - 0 Ω 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1634 0000	Resistor - 0 Ω 1/16W	
207	1650 2910	Resistor - 91Ω ±5% 1/4W	
208	1650 5101	Chip Resistor - 100 Ω±5%1/16W	
209	1650 5102	Chip Resistor - 1kΩ±5%1/16W	
210	1650 5103	Chip Resistor - 10kΩ±5%1/16W	
211	1650 5104	Chip Resistor - 100kΩ±5%1/16W	
212	1650 5105	Chip Resistor - 1mΩ±5%1/16W	
213	1650 5152	Chip Resistor:1.5kΩ:±5%:1/16W	
214	1650 5221	Chip Resistor - 220Ω±5%1/16W	
215	1650 5222	Resistor - 2.2KΩ ±5% 1/16W	
216	1650 5244	Resistor:240k Ω:±5%:1/16w:1005	
217	1650 5330	Chip Resistor - 33Ω±5%1/16W	
218	1650 5331	Resistor - 330Ω ±5% 1/16W	
219	1650 5332	Resistor - 3.3KΩ ±5% 1/16W	
220	1650 5472	Chip Resistor:4.7kΩ:±5%:1/16W	
221	1650 5560	Chip Resistor 56Ω ±5% 1/16W	
222	1650 5621	Chip Resistor 620Ω ±5% 1/16W	
223	1650 5680	Resistor - 68Ω ±5% 1/16W	
224	1654 2201	Resistor - 2.2K Ω ±1% 1/10W 1608	
225	1654 3301	Resistor - 3.3KΩ ±1% 1/10W	
226	1655 0000	Chip Resistor - 0Ω±0%1/16W	
227	1655 1000	Chip Resistor:100Ω:±1%:1/16W	
228	1655 2000	Resistor - 200Ω ±1% 1/16W	
229	1655 4700	Resistor - 470Ω ±1% 1/16W	
230	1655 4701	Chip Resistor - 4.7kΩ±1%1/16W	
231	1655 5109	Resistor - 51Ω ±1% 1/16W	
232	1660 4103	Capacitor - 10000pF - ±10% - 50V	
233	1660 4222	Capacitor - 2200pF - ±10% - 50V	
234	1902 0069	SRAM - 4MX16 3.3V G1	

Index No.	Part No.	Description	Q'ty Per Assembly

40.IOB Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	230	C11	230	---	---	C31	166	C41	166	---	---	C71	230
C2	230	C12	230	---	---	---	---	C42	235	---	---	C72	230
C3	230	C13	230	---	---	C33	231	---	---	C63	231	C73	230
C4	230	C14	230	---	---	C34	163	C44	233	C64	231	C74	230
C5	230	C15	230	C25	184	C35	166	C45	235	C65	235	C75	230
C6	230	C16	230	C26	183	C36	166	C46	235	C66	231	---	---
C7	230	C17	162	C27	183	C37	166	C47	231	C67	235	---	---
C8	230	---	---	---	---	C38	166	C48	231	---	---	---	---
C9	230	C19	185	---	---	C39	166	C49	231	C69	163	C79	228
C10	230	---	---	C30	183	C40	166	C50	163	C70	163	C80	228

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C81	163	C91	229	C101	235	---	---	C121	166	---	---	C141	230
C82	163	C92	229	C102	185	---	---	C122	166	C132	163	C142	230
C83	163	---	---	C103	167	---	---	---	---	---	---	C143	230
C84	229	---	---	C104	165	---	---	---	---	---	---	C144	231
C85	163	C95	231	---	---	C115	185	---	---	---	---	C145	231
C86	229	C96	231	C106	185	C116	165	C126	230	C136	163	---	---
C87	163	C97	166	---	---	C117	227	C127	230	C137	230	C147	235
C88	163	C98	166	---	---	C118	227	C128	230	C138	230	---	---
C89	229	C99	235	---	---	C119	166	C129	230	C139	230	---	---
C90	229	C100	235	---	---	C120	166	C130	230	C140	230	---	---

40.IOB Board (B230/B237)

CAPACITOR

SYMBOL NO.	INDEX NO.
---	---
C152	235
C153	164
C154	163
---	---
---	---
---	---
C158	164
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
C163	164
C164	231
C165	163
C166	227
C167	227
C168	227
C169	227
C170	164

SYMBOL NO.	INDEX NO.
---	---
C172	231
---	---
---	---
---	---
---	---
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---	---
---	---
C180	231

SYMBOL NO.	INDEX NO.
---	---
C182	230
C183	230
C184	230
C185	230
C186	230
C187	230
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
C192	233
C193	235
C194	233
C195	235
C196	235
C197	233
C198	235
C199	235
C200	233

SYMBOL NO.	INDEX NO.
C201	233
C202	235
C203	235
C204	235
C205	235
C206	233
C207	233
C208	233
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
C212	234
---	---
C214	234
C215	230
C216	235
C217	235
C218	235
C219	232
C220	232

CAPACITOR

SYMBOL NO.	INDEX NO.
C221	232
C222	232
C223	232
C224	232
C225	232
C226	232
C227	234
C228	234
C229	234
C230	234

SYMBOL NO.	INDEX NO.
C231	234
C232	234
C233	234
C234	235
C235	235
C236	235
C237	235
C238	235
C239	235
C240	235

SYMBOL NO.	INDEX NO.
C241	230
C242	230
C243	230
C244	230
C245	230
C246	233
C247	235
C248	233
C249	235
C250	235

SYMBOL NO.	INDEX NO.
C251	233
C252	235
C253	235
C254	233
C255	235
C256	233
C257	235
C258	235
C259	233
C260	235

SYMBOL NO.	INDEX NO.
C261	233
---	---
---	---
---	---
---	---
---	---
---	---
C268	163
C269	163
C270	163

SYMBOL NO.	INDEX NO.
C271	163
---	---
---	---
C274	163
C275	163
C276	235
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
C281	235
C282	164
---	---
---	---
---	---
---	---
C287	164
C288	164
C289	235
C290	235

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CAPACITOR

SYMBOL NO.	INDEX NO.
C291	164
C292	235
C293	235
C294	164
C295	235
C296	164
---	---
C298	235
---	---
---	---

SYMBOL NO.	INDEX NO.
C301	235
C302	235
C303	231
C304	231
C305	231
C306	231
C307	231
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
C316	164
---	---
C318	230
C319	230
C320	230

SYMBOL NO.	INDEX NO.
C321	230
C322	164
C323	164
C324	235
C325	235
---	---
C327	235
C328	235
C329	164
C330	164

SYMBOL NO.	INDEX NO.
C331	164
C332	234
C333	164
---	---
---	---
---	---
C337	164
C338	164
C339	164
C340	164

SYMBOL NO.	INDEX NO.
C341	164
---	---
---	---
C344	164
---	---
---	---
---	---
---	---
---	---
C349	235
---	---

SYMBOL NO.	INDEX NO.
C351	229
C352	231
C353	231
C354	164
C355	229
C356	229
C357	229
C358	229
C359	229
---	---

CAPACITOR

SYMBOL NO.	INDEX NO.
C361	164
C362	164
C363	164
C364	235
C365	235
C366	234
---	---
C368	163

CA

SYMBOL NO.	INDEX NO.
CA2	168

CONNECTOR

SYMBOL NO.	INDEX NO.
CN201	102
CN202	120
---	---
CN204	117
---	---
CN206	126
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
CN211	116
CN212	105
CN213	110
CN214	124
CN215	115
CN216	123
CN217	125
CN218	107
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
CN232	114
CN233	121
CN234	108
CN235	118
---	---
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---	---
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SYMBOL NO.	INDEX NO.
CN251	112
CN252	106
CN253	104
CN254	109
---	---
---	---
CN257	122
---	---
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CN260	103

SYMBOL NO.	INDEX NO.
CN281	110
CN282	111
CN283	113
CN284	124
CN285	121
CN286	119

40.IOB Board (B230/B237)

DIODE

SYMBOL NO.	INDEX NO.
D1	141
---	---
---	---
---	---
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---	---
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D8	141
D9	141
D10	141

SYMBOL NO.	INDEX NO.
D11	141
D12	141
D13	141
D14	141
---	---
---	---
---	---
D17	141

FIL

SYMBOL NO.	INDEX NO.
FIL1	170
FIL2	170

IC

SYMBOL NO.	INDEX NO.
IC1	146
IC2	151
IC3	150
IC4	149
IC5	147
IC6	152
IC7	130
IC8	154
IC9	154
IC10	144

SYMBOL NO.	INDEX NO.
IC11	1
IC12	155
IC13	144
---	---
IC15	1
---	---
---	---
IC18	145
IC19	144
IC20	144

SYMBOL NO.	INDEX NO.
IC21	144
IC22	145
IC23	148
IC24	147
IC25	145
IC26	145
IC27	152
IC28	145

L

SYMBOL NO.	INDEX NO.
L1	169
L2	169

LED

SYMBOL NO.	INDEX NO.
LED1	142
LED2	143

Q

SYMBOL NO.	INDEX NO.
OSC1	156

Q

SYMBOL NO.	INDEX NO.
Q1	135
Q2	128
Q3	134
Q4	134
Q5	134
Q6	134
Q7	134
Q8	134
Q9	134
Q10	131

SYMBOL NO.	INDEX NO.
Q11	132
Q12	133
Q13	135
Q14	133
---	---
---	---
---	---
Q17	138
---	---
---	---
Q20	128

SYMBOL NO.	INDEX NO.
Q21	135
Q22	137
Q23	136
Q24	136
Q25	136
Q26	136
Q27	135
Q28	135
Q29	135
Q30	135

SYMBOL NO.	INDEX NO.
Q31	135
Q32	135
Q33	135
Q34	129
Q35	135
---	---
Q37	135
Q38	135

RESISTOR

SYMBOL NO.	INDEX NO.
R1	179
R2	179
R3	202
R4	211
R5	211
R6	211
R7	191
R8	192
R9	159
R10	158

SYMBOL NO.	INDEX NO.
R11	161
R12	157
R13	192
R14	191
R15	181
R16	182
R17	211
R18	205
R19	187
R20	192

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RESISTOR

SYMBOL NO.	INDEX NO.
R21	204
R22	192
R23	192
R24	191
R25	193
R26	219
R27	219
R28	219
R29	219
R30	219

SYMBOL NO.	INDEX NO.
R31	219
R32	219
R33	186
R34	186
R35	186
R36	186
R37	186
R38	186
R39	186
R40	192

SYMBOL NO.	INDEX NO.
R41	188
R42	188
R43	192
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R49	204
R50	204

SYMBOL NO.	INDEX NO.
R51	204
R52	196
R53	191
R54	192
R55	191
R56	160
R57	193
R58	192
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SYMBOL NO.	INDEX NO.
R61	189
R62	194
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R64	204
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R67	182
R68	189
R69	204
R70	204

SYMBOL NO.	INDEX NO.
R71	182
R72	192
R73	182
R74	192
R75	191
R76	211
R77	211
R78	205
R79	205
R80	205

SYMBOL NO.	INDEX NO.
R81	191
R82	191
R83	191
R84	196
R85	192
R86	198
R87	198
R88	192
R89	191
R90	182

RESISTOR

SYMBOL NO.	INDEX NO.
R91	191
R92	192
R93	191
R94	192
R95	204
R96	204
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R98	204
---	---
R100	192

SYMBOL NO.	INDEX NO.
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---	---
R104	189
R105	191
R106	204
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R108	182
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SYMBOL NO.	INDEX NO.
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R112	192
R113	192
R114	192
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R116	182
R117	182
R118	218
R119	207
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SYMBOL NO.	INDEX NO.
R121	192
R122	192
R123	191
R124	192
R125	191
R126	191
R127	192
R128	192
R129	204
R130	191

SYMBOL NO.	INDEX NO.
R131	191
R132	192
R133	192
R134	191
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SYMBOL NO.	INDEX NO.
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R145	206
R146	191
R147	191
R148	212
R149	214
R150	212

SYMBOL NO.	INDEX NO.
R151	214
R152	204
R153	204
R154	201
R155	201
R156	192
R157	192
R158	192
R159	192
R160	204

40.IOB Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.
R161	161
R162	161
R163	161
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R168	180
R169	195
R170	192

SYMBOL NO.	INDEX NO.
R171	191
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R176	193
R177	192
R178	188
R179	190
R180	197

SYMBOL NO.	INDEX NO.
R181	197
R182	190
R183	193
R184	192
R185	191
R186	192
R187	191
R188	192
R189	191
R190	192

SYMBOL NO.	INDEX NO.
R191	191
R192	204
R193	182
R194	198
R195	192
R196	198
R197	193
R198	192
R199	182
R200	191

SYMBOL NO.	INDEX NO.
R201	192
R202	192
R203	191
R204	192
R205	204
R206	192
R207	182
R208	191
R209	192
R210	182

SYMBOL NO.	INDEX NO.
R211	203
R212	203
R213	203
R214	196
R215	196
R216	196
R217	196
R218	190
R219	190
R220	190

SYMBOL NO.	INDEX NO.
R221	190
R222	192
R223	191
R224	204
R225	192
R226	223
R227	191
R228	192
R229	191
R230	192

RESISTOR

SYMBOL NO.	INDEX NO.
R231	192
R232	192
R233	220
R234	220
R235	220
R236	220
R237	216
R238	216
R239	216
R240	216

SYMBOL NO.	INDEX NO.
R241	189
R242	191
R243	192
R244	191
R245	192
R246	198
R247	198
R248	192
R249	192
R250	192

SYMBOL NO.	INDEX NO.
R251	191
R252	191
R253	204
R254	204
R255	192
R256	192
R257	192
R258	192
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R260	204

SYMBOL NO.	INDEX NO.
R261	192
R262	192
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R265	192
R266	192
R267	199
R268	199
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SYMBOL NO.	INDEX NO.
R271	192
R272	204
R273	192
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R275	192
R276	204
R277	204
R278	204
R279	204
R280	194

SYMBOL NO.	INDEX NO.
R281	193
R282	193
R283	194
R284	215
R285	215
R286	215
R287	215
R288	215
R289	215
R290	215

SYMBOL NO.	INDEX NO.
R291	191
R292	204
R293	219
R294	215
R295	191
R296	204
R297	200
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R299	192
R300	192

40.IOB Board (B230/B237)

RESISTOR

SYMBOL NO.	INDEX NO.
R301	192
R302	192
R303	192
R304	192
R305	192
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R307	192
R308	160
R309	213
R310	211

SYMBOL NO.	INDEX NO.
R311	210
R312	211
R313	192
R314	182
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R316	210
R317	211
R318	213
R319	213
R320	192

SYMBOL NO.	INDEX NO.
R321	192
R322	217
R323	217
R324	217
R325	192
R326	191
R327	192
R328	191
R329	191
R330	192

SYMBOL NO.	INDEX NO.
R331	191
R332	192
R333	224
R334	211
R335	226
R336	191
R337	192
R338	192
R339	192
R340	191

SYMBOL NO.	INDEX NO.
R341	191
R342	209
R343	210
R344	222
R345	221
R346	225
R347	208
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SYMBOL NO.	INDEX NO.
R351	191
R352	192
R353	191
R354	191
R355	191
R356	191
R357	191
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SYMBOL NO.	INDEX NO.
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R363	192
R364	191
R365	192
R366	192
R367	194
R368	193
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RESISTOR

SYMBOL NO.	INDEX NO.
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R379	191
R380	191

SYMBOL NO.	INDEX NO.
R381	192
R382	192
R383	198
R384	192
R385	198
R386	192
R387	191
R388	182
R389	161
R390	192

SYMBOL NO.	INDEX NO.
R391	191
R392	202
R393	202
R394	202
R395	191
R396	191
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R999	127

REG

SYMBOL NO.	INDEX NO.
REG1	153

RN

SYMBOL NO.	INDEX NO.
RN1	175
RN2	173
RN3	175
RN4	174
RN5	174
RN6	174
RN7	176
RN8	176
RN9	176
RN10	176

SYMBOL NO.	INDEX NO.
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RN19	175
RN20	175

SYMBOL NO.	INDEX NO.
RN21	175
RN22	175
RN23	173
RN24	173
RN25	175
RN26	173
RN27	175
RN28	173
RN29	175
RN30	175

40.IOB Board (B230/B237)

RN

SYMBOL NO.	INDEX NO.
RN31	173
RN32	173
RN33	173
RN34	176
RN35	178
RN36	178
RN37	171
RN38	178
RN39	178
RN40	175

SYMBOL NO.	INDEX NO.
RN41	175
RN42	175
RN43	172
RN44	177
RN45	173
RN46	175
RN47	175
RN48	171
RN49	174
RN50	176

SYMBOL NO.	INDEX NO.
RN51	172
RN52	176
RN53	176
RN54	175
RN55	172
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RN57	176
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RN59	176
RN60	176

SYMBOL NO.	INDEX NO.
RN61	176
RN62	175
RN63	175
RN64	175
RN65	175
RN66	173
RN67	175
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RN69	175
RN70	175

SYMBOL NO.	INDEX NO.
RN71	175
RN72	175
RN73	176
RN74	176
RN75	173
RN76	175

TP

SYMBOL NO.	INDEX NO.
TP10	101
TP11	101
TP12	101
TP13	101
TP14	101
TP15	101
TP16	101
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TP18	101
TP19	101
TP20	101

SYMBOL NO.	INDEX NO.
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---	---
TP23	101
TP24	101
TP25	101
TP26	101
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TP28	101
TP29	101
TP30	101

TP

SYMBOL NO.	INDEX NO.
TP31	101

ZD

SYMBOL NO.	INDEX NO.
ZD7	139
ZD8	140

40.IOB Board (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B238 5120	PCB IOB	1
1	B238 5503	IC:TRIO2	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	1100 1475	Test Pin	
102	1102 6596	Connector	
103	1102 8468	Connector - 55447-041	
104	1102 8471	Connector - 55447-071	
105	1102 8473	Connector - 55447-0910	
106	1102 8477	Connector - 13P	
107	1102 8480	Connector - 55447-1610	
108	1102 8481	Connector - 55447-1760	
109	1102 8482	Connector - 55447-1810	
110	1102 8483	Connector:55447-1980	
111	1102 8484	Connector:55447-2080	
112	1102 8486	Connector - 55451-2410	
113	1102 8487	Connector - 55451-2610	
114	1102 8492	Connector - 55451-3610	
115	1102 8546	Connector - 1-353297-7	
116	1102 8553	Connector - 3-353308-6	
117	1102 8623	Connector:292207-2	
118	1102 8655	Connector - 9P 353297-9	
119	1102 8781	Connector - 1-292207-2	
120	1102 9116	Connector - 353297-5	
121	1102 9119	Connector:2-353297-0	
122	1102 9120	Connector - 2-292208-2	
123	1102 9121	Connector:2-353308-4	
124	1102 9124	Connector:3-353308-0	
125	1102 9125	Connector 3-292208-2	
126	1103 3179	Connector:FH12-50S-0.5SV(89)	
127	1107 1174	Fuse:451.125MRL	
128	1400 0571	Transistor - 2SA1577	
129	1400 0714	Transistor - 2SD1781KR	
130	1400 0783	Transistor - TD62064AF	
131	1400 0789	Transistor - IMT17	
132	1400 0796	Transistor - UMH10N	
133	1400 0997	Transistor - 2SB1690K	
134	1400 1164	Transistor:2SC5343UF	
135	1400 1171	Transistor:SRC1205UF	

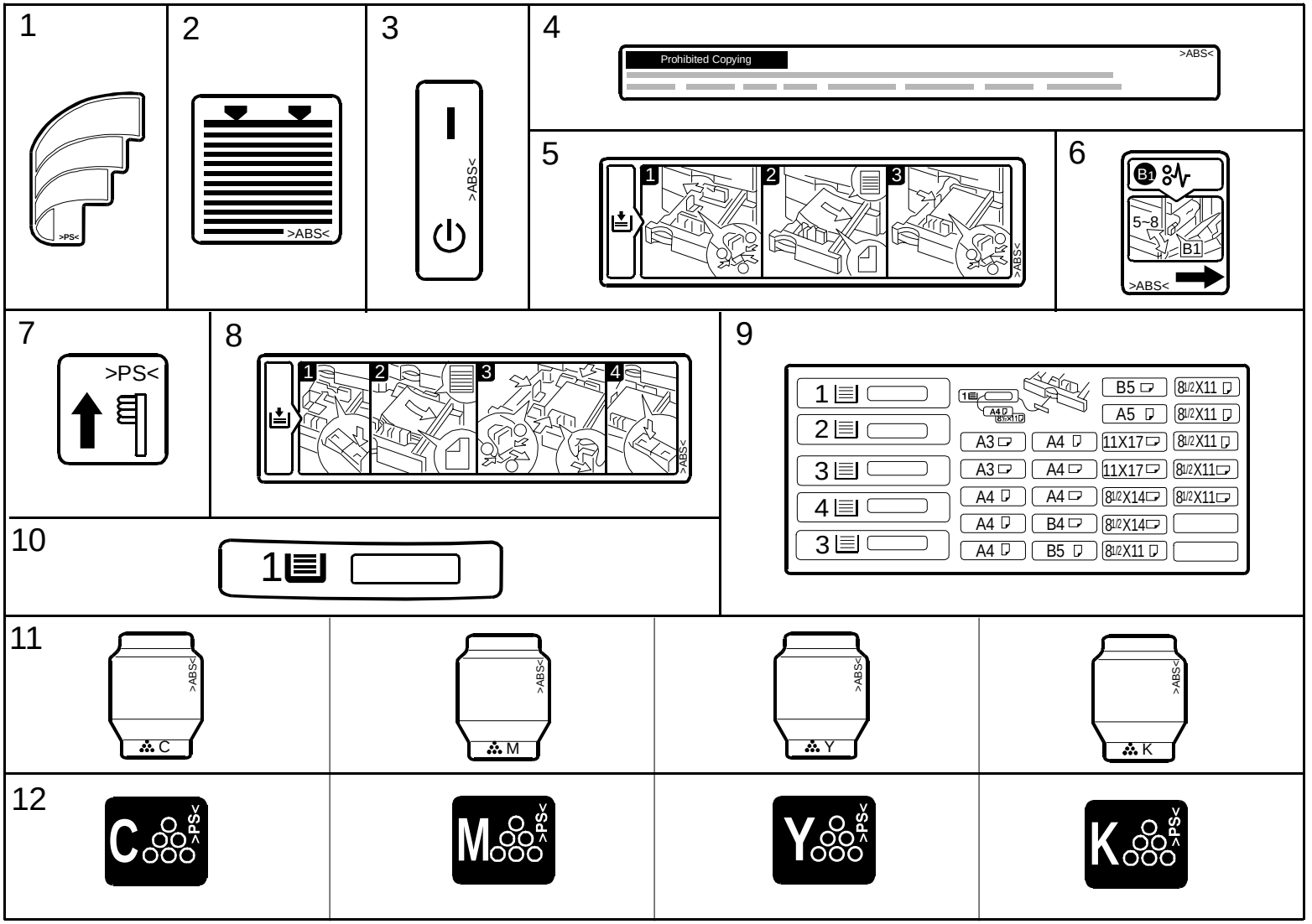
Index No.	Part No.	Description	Q'ty Per Assembly
136	1400 1172	Transistor:SRA2205UF	
137	1401 0957	Transistor - DTB123YK	
138	1401 1205	FET:HAT1044M-E	
139	1402 1277	Diode - 12V500MW	
140	1402 1511	Zenerdiode - MTZJ13B	
141	1402 1911	Diode - SDS511	
142	1403 1265	LED - KPT-1608SGC	
143	1403 1266	LED - KPT-1608EC	
144	1407 2187	TTLIC:SN74LS07NS	
145	1407 2219	IC - TD62003AP	
146	1407 6077	IC:Stepping:STA7101M	
147	1407 6197	IC:M54563P	
148	1407 6314	Motor Control IC:TB6561NG	
149	1407 6450	Motor Control IC:SLA7072MR	
150	1407 6476	Motor Control IC:SLA7070MR	
151	1407 6477	Motor Control IC:SLA7071MR	
152	1408 1204	IC - TA8083P	
153	1408 1233	Regulator - LM1117MP-3.3	
154	1408 1550	IC - LM2902PW	
155	1408 2029	Comparator:LM2901PW	
156	1503 0784	Oscillator - MA-406 19.6608MHZ	
157	1601 5393	Registor - 270 Ω ±5% 2W	
158	1601 5398	Registor:560Ω:±5%:2W	
159	1601 5532	Registor - 91Ω ±5% 2W	
160	1601 5616	Registor:6.8 Ω:±5%:1W	
161	1601 5695	Registor:68 Ω:±5%:2W	
162	1604 4802	Capacitor - 330μF±20% 35V	
163	1605 1137	Capacitor - 470pF ±10% 50V	
164	1605 1148	Capacitor - 0.1μF+80-20% 50V	
165	1605 1206	Capacitor - 47pF ±5% 50V	
166	1605 1240	Capacitor - 0.01μF±10% 25V	
167	1605 1303	Capacitor - 0.01μF+80-20% 50V	
168	1606 8042	Registor Array - CKCA43CH1H470K	
169	1607 1267	Inductor - TSL0808-4R7M3R5-pF	
170	1607 1424	Filter:MMZ1608B601C	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1609 0006	Registor:10k Ω:±5%:1/16w	
172	1609 0007	Resistor - 68Ω ±5% 1/16W	
173	1609 0049	Registor Array:1K Ω:±5%:1/16W:4NUMBER	
174	1609 0061	Registor Array:4.7K Ω:±5%:1/16W:	
175	1609 0062	Registor Array:10K Ω:±5%:1/16W:4	
176	1609 0065	Registor Array:68 Ω:±5%:1/16W:4N	
177	1609 0066	Registor Array:680 Ω:±5%:1/16W:4NUMBER	
178	1609 0071	Registor Array:150K Ω:±5%:1/16W:4NUMBER	
179	1610 1771	Chip Resistor:1Ω:±5%:1W:6332	
180	1611 9102	Resistor - 1K Ω 1/2W ±5%	
181	1633 0000	Resistor - 0 Ω 1/10W	
182	1634 0000	Resistor - 0 Ω 1/16W	
183	1640 3101	Capacitor - 100μF±20% 35V	
184	1640 3331	Capacitor - 330μF±20% 35V	
185	1642 3100	Capacitor:10UF:±20%:35V	
186	1650 2680	Resistor - 68Ω ±5% 1/4W	
187	1650 3103	Chip Resistor - 10KΩ ±5% 1/8W	
188	1650 3562	Resistor:5.6KΩ:±5%:1/8W	
189	1650 4100	Resistor - 10Ω ±5% 1/10W	
190	1650 4101	Resistor - 100Ω±5%1/10W	
191	1650 4102	Resistor - 1KΩ ±5% 1/10W	
192	1650 4103	Resistor - 10KΩ ±5% 1/10W	
193	1650 4104	Resistor - 100KΩ±5%1/10W	
194	1650 4123	Resistor - 12KΩ±5%1/10W	
195	1650 4151	Resistor - 150Ω ±5%1/10W	
196	1650 4152	Resistor - 1.5KΩ ±5% 1/10W	
197	1650 4162	Resistor - 1.6KΩ ±5% 1/10W	
198	1650 4222	Resistor - 2.2KΩ±5%1/10W	
199	1650 4303	Resistor - 30K Ω ±5% 1/10W	
200	1650 4330	Chip Resistor - 33Ω ±5% 1/10W	
201	1650 4471	Resistor - 470Ω±5%1/10W	
202	1650 4472	Resistor - 4.7KΩ ±5% 1/10W	
203	1650 4473	Resistor - 47KΩ±5%1/10W	
204	1650 4680	Resistor - 68Ω±5%1/10W	
205	1654 1001	Resistor - 1KΩ±1%1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1654 1002	Resistor - 10KΩ±5%1/10W	
207	1654 1004	Chip Resistor - 1MΩ ±1% 1/10W	
208	1654 1050	Resistor - 105Ω ±1% 1/10W 1608	
209	1654 1210	Resistor - 121Ω ±1% 1/10W	
210	1654 1211	RESISTOR:1.21K Ω:±1%:1/10W:1608	
211	1654 1541	Resistor - 1.54KΩ ±1% 1/10W	
212	1654 1802	Resistor - 18KΩ±1%1/10W	
213	1654 2492	Resistor:24.9K Ω:±1%:1/10W:1608	
214	1654 3302	Chip Resistor-33KΩ±1%-1/10W	
215	1654 3741	Chip Resistor:3.74K Ω	
216	1654 3742	Resistor:37.4KΩ:±1%:1/10W	
217	1654 3901	Resistor - 3.9KΩ±1% 1/10W	
218	1654 4700	Resistor - 470Ω±1%1/10W	
219	1654 5361	Resistor - 5.36KΩ±1% 1/10W	
220	1654 5362	Resistor:53.6K Ω:±1%:1/10W:1608	
221	1654 7329	Resistor:73.2 Ω:±1%:1/10W:1608	
222	1654 7879	Chip Resistor:78.7 Ω ±1%:1/10W:1608	
223	1654 8201	Resistor - 8.2KΩ ±1% 1/10W	
224	1654 9099	Chip Resistor:90.9 Ω ±1%:1/10W:1608	
225	1654 9539	Resistor:95.3 Ω:±1%:1/10W:1608	
226	1654 9769	Chip Resistor:97.6 Ω ±1%:1/10W:1608	
227	1660 2101	Capacitor - 100pF - ±10% - 50V	
228	1660 2220	Capacitor - 22pF ±20% 35V	
229	1660 2331	Capacitor - 330pF ±5% 50V	
230	1660 2470	Capacitor - 47pF ±5% 50V	
231	1660 2471	Capacitor - 470pF - ±5% - 50V	
232	1660 2820	Capacitor - 82pF ±5% 50V	
233	1660 4222	Capacitor - 2200pF - ±10% - 50V	
234	1660 6103	Capacitor - 10000pF - +80%-20%50V	
235	1660 8104	Capacitor - 0.1uF +80-20% 25V	

Index No.	Part No.	Description	Q'ty Per Assembly

41.Decals And Documents (B230/B237)

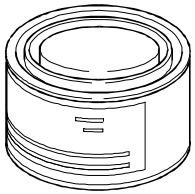
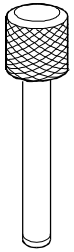
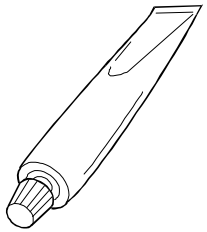
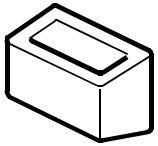
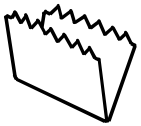
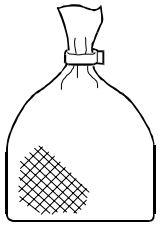
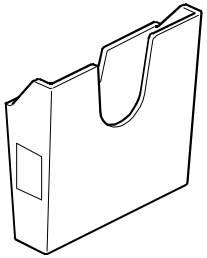
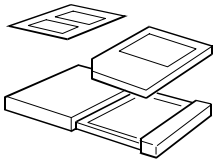
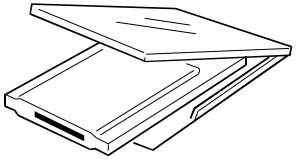
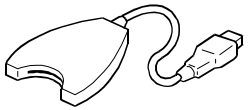
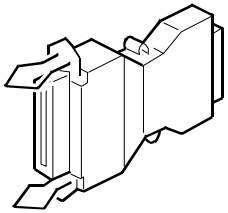
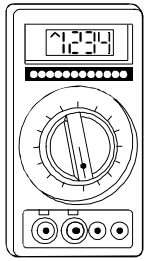
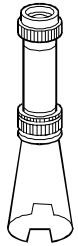
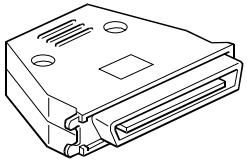


41.Decals And Documents (B230/B237)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AA00 0239	Decal:Color:MFP	1
2	B223 2873	Decal - Side Fence Rear	2
3	B237 1355	Decal - Main Switch EU OP	1
4	B237 1595	Decal - Caution Original	1
5	B237 2521	Decal - Paper Set Direction No.1	1
6	B238 1362	Decal - Misfeed Removal B1	1
7	B238 1368	Decal - Cleaning	4
8	B238 2523	Decal - Paper Set Direction No.2	1
9	B238 2524	Decal - Paper Size	1
10	B238 2526	Decal - Grip	1
11	B238 3364	Decal:Colored Display:BK:Inner Cover	1
11	B238 3365	Decal:Colored Display:Y:Inner Cover	1
11	B238 3366	Decal:Colored Display:C:Inner Cover	1
11	B238 3367	Decal:Colored Display:M:Inner Cover	1
12	GA00 3030	Decal - Shielding Plate Y	1
12	GA00 3031	Decal - Shielding Plate M	1
12	GA00 3032	Decal - Shielding Plate C	1
12	GA00 3033	Decal - Shielding Plate K	1

Index No.	Part No.	Description	Q'ty Per Assembly

42.Special Tools And Acssesoris (B230/B237)

1 	2 	3	4 	5 
6 	7 	8 	9 	10 
11 	12 	13 	14 	15 
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11	B645 6820	SD-Card:USB:Writer:BN-SDCGTY	1
12	B679 5100	Plub - IEEE1284 - Type C	1
13	VSSM 9000	Digital Multimeter-FLUKE187	1
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